

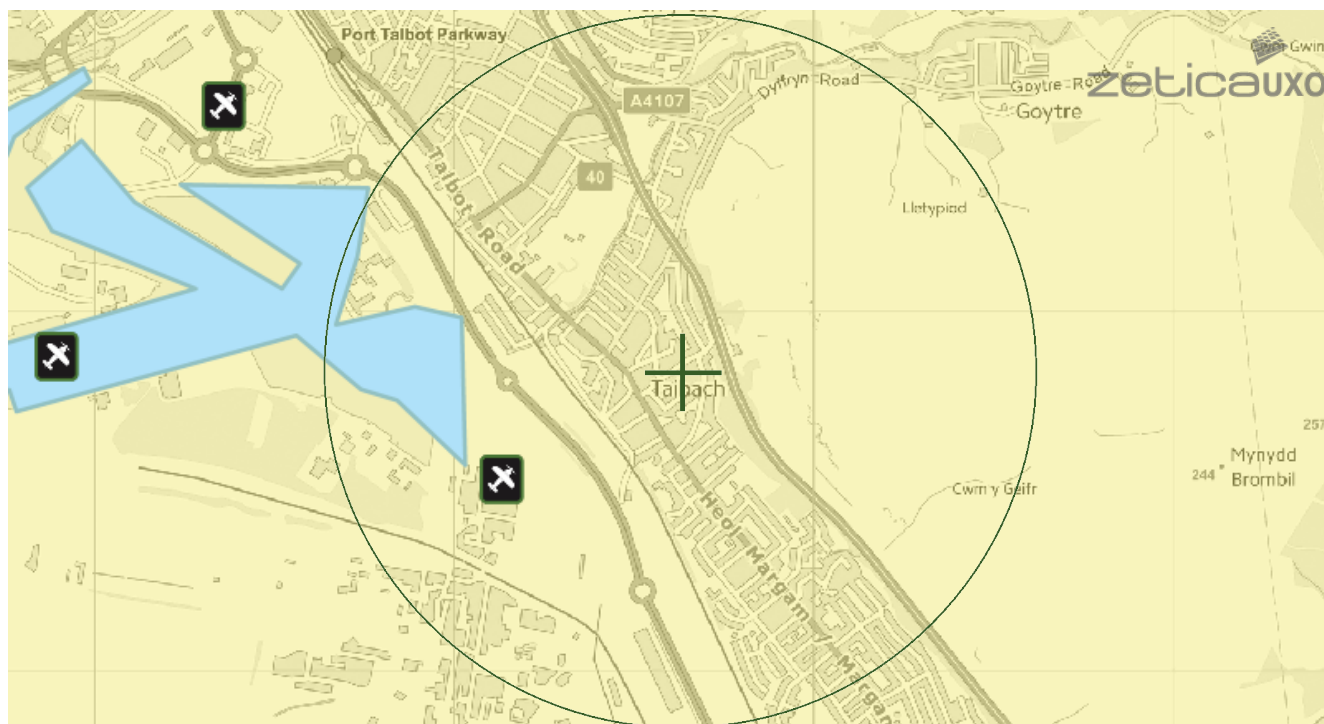
D. Zetica UXO Risk Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

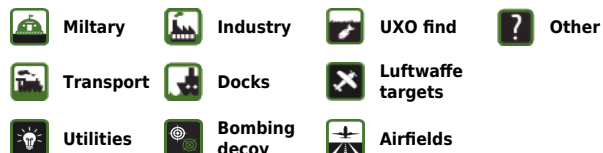
Map Centre: 277599,188834



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgement. The copyright remains with Zetica Ltd.

PA027967 — AFAN WWTW**DOCUMENT DETAILS**

Site name:	Afan WwTW		
Reference:	PA027967	Client:	Mott MacDonald
Date:	6 th July 2026	Contact:	Emily Reynolds

RECOMMENDATION

While always prudent, a detailed desk study is not considered essential in this instance.

SUMMARY OF FINDINGS

Military Activity	No significant military activity affecting the Site has been identified.
WWI Bombing	Potential targets within approximately 5km of the Site: - Port Talbot Docks. - Transport infrastructure and public utilities. - Munitions factories and chemical, engineering, and metal works. - Military establishments and training areas. No readily available records have been found indicating that the Site was bombed.
WWII Bombing	The Site was located in Port Talbot Municipal Borough (MB), which officially recorded 91No. High Explosive (HE) bombs, with a density of 3.9 bombs per 405 hectares (ha). Potential targets within approximately 5km of the Site: - Port Talbot Docks. - Transport infrastructure and public utilities. - Chemical, engineering, and metal works. - Military establishments and training areas. - Anti-Aircraft (AA) and anti-invasion defences. No readily available records have been found indicating that the Site was bombed.
Bombing Decoys	1No. located approximately 1.9km southeast of the Site.

FURTHER INFORMATION

These findings are based on a cursory review of readily available records; caution is advised if you plan to action work based on this PDSA.

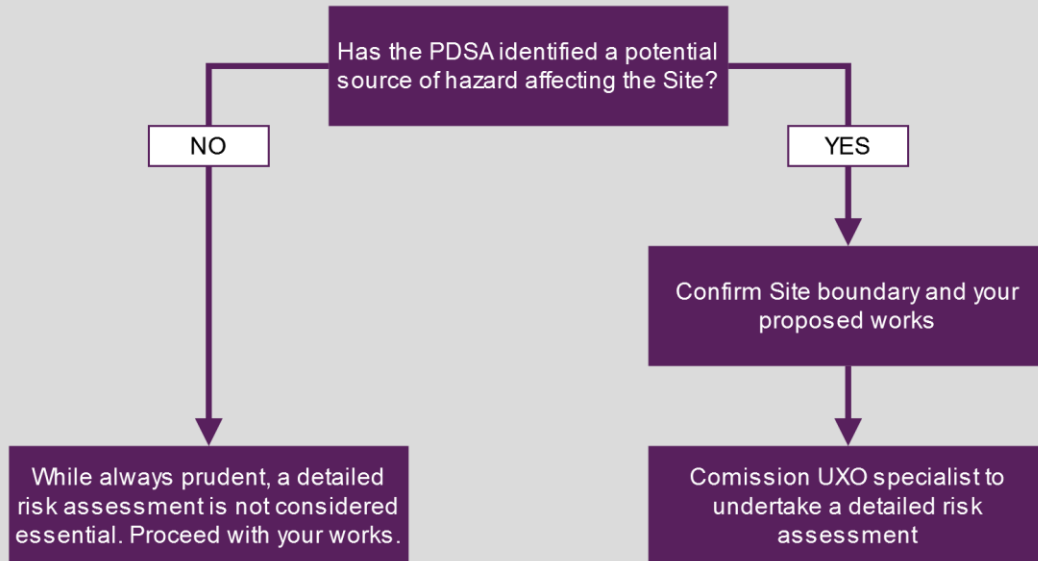
Where a potentially significant UXO hazard source has been identified on the Site, no further research has been undertaken. A detailed UXO desk study and risk assessment may identify other potential UXO hazard sources on the Site.

Visit www.zeticauxo.com to learn more about Zetica's detailed UXO desk studies and other UXO services. Click [here](#) for more information about the most common UXO hazard sources in the UK.

If you have any further queries, please don't hesitate to contact us at uxo@zetica.com or 01993 886 682.

NEXT STEPS

Follow the steps below to determine the appropriate course of action:



Potential UXO hazard identified? If the PDSA has identified a potential source of UXO hazard affecting your site, then a detailed UXO risk assessment is recommended.

No obvious source of UXO hazard? If the PDSA has not identified any obvious source of potential UXO, works can proceed.

It is good practice to raise awareness of the background UXO risk in the UK as part of a standard site induction. This will ensure that appropriate action is taken in the unlikely event that UXO is discovered.

Don't skip a stage: If you skip the detailed risk assessment stage, you could end up undertaking unnecessary work (e.g. trying to detect a UXO hazard that has already been removed).

Similarly, a detailed risk assessment might find that the UXO hazard is worse than expected and has a greater potential to cause harm, requiring a different mitigation approach than would otherwise be undertaken.

E. Human Health Risk Assessment Screening (Soil)

Client: Jackson Geo Services	Chemtest Job No.:	25-21266	25-21266	25-21434	25-21434	25-21434	25-21434
	Client Reference:	WS1	WS2	WS4	TP1	TP2	TP3
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):	1.50	0.30	0.60	0.30	1.00	0.50
	Bottom Depth (m):	1.60		1.25			
	Date Sampled:	25-Jun-2025	25-Jun-2025	27-Jun-2025	26-Jun-2025	26-Jun-2025	26-Jun-2025
	Time Sampled:	11:21	13:21	10:17	9:56	12:32	14:26
	Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	GSC 1% SOM Commercial	Units	LOD				
ACM Type			N/A	-	-	-	-
Asbestos Identification			N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	%	0.020	4.4	3.9	6.6	0.91	0.50
Soil Colour		N/A	Brown	Brown	Brown	Brown	Brown
Other Material		N/A	None	Stones	Stones	Stones	Stones
Soil Texture		N/A	Sand	Sand	Loam	Loam	Loam
pH at 20C		4.0	8.5	9.2	9.8	9.6	9.1
Boron (Hot Water Soluble)	240000	mg/kg	0.40	< 0.40	2.1	1.5	3.7
Cyanide (Total)		mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	640	mg/kg	0.5	8.6	1.9	5.4	5.1
Beryllium	12	mg/kg	0.5	< 0.5	3.2	2.5	1.7
Cadmium	190	mg/kg	0.10	< 0.10	0.22	< 0.10	< 0.10
Chromium		mg/kg	0.5	4.5	17	39	7.3
Copper	68000	mg/kg	0.50	4.9	10	12	4.1
Mercury	15	mg/kg	0.05	< 0.05	0.11	< 0.05	< 0.05
Nickel	980	mg/kg	0.50	6.8	14	4.0	4.3
Lead	2300	mg/kg	0.50	9.6	14	22	11
Selenium	12000	mg/kg	0.25	< 0.25	1.1	0.31	1.0
Vanadium	9000	mg/kg	0.5	16	21	50	10
Zinc	730000	mg/kg	0.50	46	100	74	36
Chromium (Hexavalent)	33	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	3200	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	7800	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	7800	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	7800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	2000	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10		mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	9700	mg/kg	2.00	3.3	3.4	7.6	3.4
Aliphatic EPH >C12-C16 MC	59000	mg/kg	1.00	< 1.0	< 1.0	13	< 1.0
Aliphatic EPH >C16-C21 MC	1600000	mg/kg	2.00	< 2.0	< 2.0	21	3.5
Aliphatic EPH >C21-C35 MC	1600000	mg/kg	3.00	< 3.0	< 3.0	82	85
Aliphatic EPH >C35-C40 MC	1600000	mg/kg	10.00	< 10	< 10	19	46
Total Aliphatic EPH >C10-C35 MC		mg/kg	5.00	5.8	< 5.0	120	92
Total Aliphatic EPH >C10-C40 MC		mg/kg	10.00	< 10	< 10	140	140
Aromatic VPH >C5-C7	26000	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	56000	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	3500	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10		mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	16000	mg/kg	1.00	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	36000	mg/kg	1.00	< 1.0	< 1.0	8.4	< 1.0
Aromatic EPH >C16-C21 MC	28000	mg/kg	2.00	3.1	2.2	21	3.0
Aromatic EPH >C21-C35 MC	28000	mg/kg	2.00	< 2.0	< 2.0	13	11
Aromatic EPH >C35-C40 MC	28000	mg/kg	1.00	< 1.0	< 1.0	43	3.5
Total Aromatic EPH >C10-C35 MC		mg/kg	5.00	< 5.0	< 5.0	43	14
Total Aromatic EPH >C10-C40 MC		mg/kg	10.00	< 10	< 10	43	18
Total VPH >C5-C10		mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC		mg/kg	10.00	< 10	< 10	170	110
Total EPH >C10-C40 MC		mg/kg	10.00	< 10	< 10	180	160
Total Organic Carbon		%	0.20	0.62	1.3	1.6	1.5
Benzene	27000	µg/kg	1.0	< 1.0	< 1.0	U/S	< 1.0
Toluene	56000000	µg/kg	1.0	< 1.0	< 1.0	U/S	< 1.0
Ethylbenzene	5700000	µg/kg	1.0	< 1.0	< 1.0	U/S	< 1.0
m & p-Xylene	5900000	µg/kg	1.0	< 1.0	< 1.0	U/S	< 1.0
o-Xylene	6600000	µg/kg	1.0	< 1.0	< 1.0	U/S	< 1.0
Naphthalene	190	mg/kg	0.10	< 0.10	0.14	0.20	< 0.10
Acenaphthylene	83000	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	84000	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	63000	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	22000	mg/kg	0.10	< 0.10	0.23	0.69	< 0.10
Anthracene	520000	mg/kg	0.10	< 0.10	< 0.10	0.12	< 0.10
Fluoranthene	23000	mg/kg	0.10	< 0.10	0.35	0.80	< 0.10
Pyrene	54000	mg/kg	0.10	< 0.10	0.31	0.72	< 0.10
Benzo[a]anthracene	170	mg/kg	0.10	< 0.10	0.23	0.64	< 0.10
Chrysene	350	mg/kg	0.10	< 0.10	0.24	0.81	< 0.10
Benzo[b]fluoranthene	44	mg/kg	0.10	< 0.10	0.42	0.74	< 0.10
Benzo[k]fluoranthene	1200	mg/kg	0.10	< 0.10	0.19	0.44	< 0.10
Benzo[a]pyrene	35	mg/kg	0.10	< 0.10	0.30	0.64	< 0.10
Indeno(1,2,3-c,d)Pyrene	500	mg/kg	0.10	< 0.10	0.21	0.59	< 0.10
Dibenz[a,h]Anthracene	3.5	mg/kg	0.10	< 0.10	< 0.10	0.34	< 0.10
Benzo[g,h,i]perylene	3900	mg/kg	0.10	< 0.10	0.20	0.61	< 0.10
Total Of 16 PAH's		mg/kg	2.0	< 2.0	2.8	7.3	< 2.0
Total Phenols		mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

F. Controlled Waters Screening (Leachate)

Client: Jackson Geo Services				Chemtest Job No.:			25-21266	25-21434	25-21434
				Client Reference:			WS1	TP2	WS4
				Sample Type:			SOIL	SOIL	SOIL
				Top Depth (m):			1.50	1.00	0.60
				Bottom Depth (m):			1.60		1.25
				Date Sampled:			25-Jun-2025	26-Jun-2025	27-Jun-2025
				Time Sampled:			11:21	12:32	10:17
Determinand	EQS AA Coastal and Transitional	Accred.	SOP	Type	Units	LOD			
pH at 20C		U	1010	2:1		4.0	8.6	8.9	8.0
Chloride		U	1220	2:1	mg/l	1.0	< 1.0	3.4	87
Ammoniacal Nitrogen	0.38	U	1220	2:1	mg/l	0.050	0.17	0.093	< 0.050
Cyanide (Total)		U	1300	2:1	mg/l	0.050	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	25	U	1455	2:1	µg/l	0.20	7.2	11	0.33
Beryllium (Dissolved)		U	1455	2:1	µg/l	1.00	< 1.0	< 1.0	< 1.0
Cadmium (Dissolved)		U	1455	2:1	µg/l	0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)		U	1455	2:1	µg/l	0.50	1.5	3.1	0.68
Copper (Dissolved)	3.76	U	1455	2:1	µg/l	0.50	3.3	1.7	0.97
Mercury (Dissolved)	0.05	U	1455	2:1	µg/l	0.05	< 0.05	< 0.05	0.06
Nickel (Dissolved)	8.6	U	1455	2:1	µg/l	0.50	0.72	< 0.50	< 0.50
Lead (Dissolved)	1.3	U	1455	2:1	µg/l	0.50	2.5	1.8	< 0.50
Antimony (Dissolved)		U	1455	2:1	µg/l	0.50	0.89	0.86	< 0.50
Selenium (Dissolved)		U	1455	2:1	µg/l	0.50	1.3	1.1	11
Vanadium (Dissolved)		U	1455	2:1	µg/l	0.50	34	110	140
Zinc (Dissolved)	8.2	U	1455	2:1	µg/l	2.5	5.7	4.8	< 2.5
Naphthalene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluorene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Anthracene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Pyrene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Chrysene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		U	1800	2:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		U	1800	2:1	µg/l	2.0	< 2.0	< 2.0	< 2.0
Total Phenols		U	1920	2:1	mg/l	0.030	< 0.030	< 0.030	< 0.030

G. HazWaste Report

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



Q4XC5-3N06D-GR44S

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Report is invalid if pages are removed.

Job name

Afan

Description/Comments

HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid phase. The waste does not display these hazardous properties.

Project

D18510

Site

Afan WRC

Classified by

Name: **Aidan Price**
Date: **02 Jun 2026 14:27 GMT**
Telephone: **01952 442567**
Company: **Mott MacDonald Limited**
Lamlodge Lane
Shifnal
TF11 8SD

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course
Hazardous Waste Classification

Date
09 Oct 2025

Next 3 year Refresher due by Oct 2028

Purpose of classification

2 - Material Characterisation

Address of the waste

Afan Wastewater Treatment Works, Haul Road, Port Talbot Steelworks, Margam Moors

Post Code SA13 2PH

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

AMP8 improvement to water recycling facility

Description of the specific process, sub-process and/or activity that created the waste

Waste created during excavations enabling project works

Description of the waste

Made ground and glacial till

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1	1.50	Non Hazardous		3
2	WS2	0.30	Non Hazardous		5
3	TP1	0.30	Non Hazardous		7
4	TP2	1.00	Non Hazardous		9
5	TP3	0.50	Non Hazardous		11
6	WS4	0.60	Non Hazardous		14

Related documents

#	Name	Description
1	MM standard waste stream for soils	waste stream template used to create this Job

Report

Created by: Aidan Price

Created date: 02 Jun 2026 14:27 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	16
Appendix B: Rationale for selection of metal species	17
Appendix C: Version	18

Classification of sample: WS1

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS1	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content:		
4.4% (no correction)		

Hazard properties

None identified

Determinands

Moisture content: 4.4% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %			
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %			<LOD
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				4.9 mg/kg	1.126	5.517 mg/kg	0.000552 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	9.6 mg/kg	1.56	14.974 mg/kg	0.00096 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				6.8 mg/kg	2.976	20.239 mg/kg	0.00202 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.25 mg/kg	1.405	<0.351 mg/kg	<0.0000351 %			<LOD
	034-002-00-8										
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				16 mg/kg	1.785	28.563 mg/kg	0.00286 %			
	023-001-00-8	215-239-8	1314-62-1								
12	zinc { zinc chromate }				46 mg/kg	2.774	127.611 mg/kg	0.0128 %			
	024-007-00-3	236-878-9	13530-65-9								
13	pH				8.5 pH		8.5 pH	8.5 pH			
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	benzene 601-020-00-8	200-753-7	71-43-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
16	toluene 601-021-00-3	203-625-9	108-88-3		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
17	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
18	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0203 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS2

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS2	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content:		
3.9%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 3.9% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				1.9 mg/kg	1.32	2.509 mg/kg	0.000251 %			
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				3.2 mg/kg	2.775	8.881 mg/kg	0.000888 %			
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				2.1 mg/kg	3.22	6.762 mg/kg	0.000676 %			
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				0.22 mg/kg	1.142	0.251 mg/kg	0.000251 %			
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	14 mg/kg	1.56	21.837 mg/kg	0.0014 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.11 mg/kg	1.353	0.149 mg/kg	0.0000149 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				14 mg/kg	2.976	41.668 mg/kg	0.00417 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.1 mg/kg	1.405	1.546 mg/kg	0.000155 %			
	034-002-00-8										
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				21 mg/kg	1.785	37.489 mg/kg	0.00375 %			
	023-001-00-8	215-239-8	1314-62-1								
12	zinc { zinc chromate }				100 mg/kg	2.774	277.415 mg/kg	0.0277 %			
	024-007-00-3	236-878-9	13530-65-9								
13	pH				9.2 pH		9.2 pH	9.2 pH			
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	benzene 601-020-00-8	200-753-7	71-43-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
16	toluene 601-021-00-3	203-625-9	108-88-3		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
17	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
18	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
19	naphthalene 601-052-00-2	202-049-5	91-20-3		0.14 mg/kg		0.14 mg/kg	0.000014 %		
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			0.23 mg/kg		0.23 mg/kg	0.000023 %		
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			0.35 mg/kg		0.35 mg/kg	0.000035 %		
26	pyrene 204-927-3	129-00-0			0.31 mg/kg		0.31 mg/kg	0.000031 %		
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.23 mg/kg		0.23 mg/kg	0.000023 %		
28	chrysene 601-048-00-0	205-923-4	218-01-9		0.24 mg/kg		0.24 mg/kg	0.000024 %		
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.42 mg/kg		0.42 mg/kg	0.000042 %		
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.19 mg/kg		0.19 mg/kg	0.000019 %		
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.3 mg/kg		0.3 mg/kg	0.00003 %		
32	indeno[123-cd]pyrene 205-893-2	193-39-5			0.21 mg/kg		0.21 mg/kg	0.000021 %		
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			0.2 mg/kg		0.2 mg/kg	0.00002 %		
Total:								0.0405 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP1

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP1	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.91%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 0.91% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				5.1 mg/kg	1.32	6.734 mg/kg	0.000673 %			
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %			
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				3.7 mg/kg	3.22	11.914 mg/kg	0.00119 %			
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				4.1 mg/kg	1.126	4.616 mg/kg	0.000462 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	11 mg/kg	1.56	17.158 mg/kg	0.0011 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				4.3 mg/kg	2.976	12.798 mg/kg	0.00128 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	1.405	1.405 mg/kg	0.000141 %			
	034-002-00-8										
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				10 mg/kg	1.785	17.852 mg/kg	0.00179 %			
	023-001-00-8	215-239-8	1314-62-1								
12	zinc { zinc chromate }				36 mg/kg	2.774	99.869 mg/kg	0.00999 %			
	024-007-00-3	236-878-9	13530-65-9								
13	pH				9.6 pH		9.6 pH	9.6 pH			
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	benzene 601-020-00-8	200-753-7	71-43-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
16	toluene 601-021-00-3	203-625-9	108-88-3		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
17	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
18	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0171 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP2

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP2	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content:		
0.5% (no correction)		

Hazard properties

None identified

Determinands

Moisture content: 0.5% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				9.6 mg/kg	1.32	12.675 mg/kg	0.00127 %			
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %			<LOD
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				0.55 mg/kg	3.22	1.771 mg/kg	0.000177 %			
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				0.28 mg/kg	1.142	0.32 mg/kg	0.000032 %			
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	48 mg/kg	1.56	74.871 mg/kg	0.0048 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				7.6 mg/kg	2.976	22.62 mg/kg	0.00226 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.26 mg/kg	1.405	0.365 mg/kg	0.0000365 %			
	034-002-00-8										
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				28 mg/kg	1.785	49.985 mg/kg	0.005 %			
	023-001-00-8	215-239-8	1314-62-1								
12	zinc { zinc chromate }				120 mg/kg	2.774	332.898 mg/kg	0.0333 %			
	024-007-00-3	236-878-9	13530-65-9								
13	pH				9.1 pH		9.1 pH	9.1 pH			
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	benzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
17	ethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
Total:								0.0481 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP3

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP3	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
1.3%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 1.3% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				7.1 mg/kg	1.32	9.374 mg/kg		0.000937 %		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				<0.5 mg/kg	2.775	<1.388 mg/kg		<0.000139 %		<LOD
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				2.1 mg/kg	3.22	6.762 mg/kg		0.000676 %		
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg		<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg		<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				30 mg/kg	1.126	33.777 mg/kg		0.00338 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	22 mg/kg	1.56	34.316 mg/kg		0.0022 %		
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg		<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				4.8 mg/kg	2.976	14.286 mg/kg		0.00143 %		
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.26 mg/kg	1.405	0.365 mg/kg		0.0000365 %		
	034-002-00-8										
11	vanadium { divanadium pentaoxide; vanadium pentoxide }				9.5 mg/kg	1.785	16.959 mg/kg		0.0017 %		
	023-001-00-8	215-239-8	1314-62-1								
12	zinc { zinc chromate }				39 mg/kg	2.774	108.192 mg/kg		0.0108 %		
	024-007-00-3	236-878-9	13530-65-9								
13	pH				8.9 pH		8.9 pH		8.9 pH		
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg		<0.0000942 %		<LOD
	006-007-00-5										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	benzene				0.0023 mg/kg		0.0023 mg/kg	0.00000023 %		
	601-020-00-8	200-753-7	71-43-2							
16	toluene				0.0025 mg/kg		0.0025 mg/kg	0.00000025 %		
	601-021-00-3	203-625-9	108-88-3							
17	ethylbenzene				0.0012 mg/kg		0.0012 mg/kg	0.00000012 %		
	601-023-00-4	202-849-4	100-41-4							
18	xylene				0.0027 mg/kg		0.0027 mg/kg	0.00000027 %		
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19	naphthalene				0.47 mg/kg		0.47 mg/kg	0.000047 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
		205-917-1	208-96-8							
21	acenaphthene				0.53 mg/kg		0.53 mg/kg	0.000053 %		
		201-469-6	83-32-9							
22	fluorene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		201-695-5	86-73-7							
23	phenanthrene				10 mg/kg		10 mg/kg	0.001 %		
		201-581-5	85-01-8							
24	anthracene				2.9 mg/kg		2.9 mg/kg	0.00029 %		
		204-371-1	120-12-7							
25	fluoranthene				13 mg/kg		13 mg/kg	0.0013 %		
		205-912-4	206-44-0							
26	pyrene				9.8 mg/kg		9.8 mg/kg	0.00098 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				6.2 mg/kg		6.2 mg/kg	0.00062 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				6 mg/kg		6 mg/kg	0.0006 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				7 mg/kg		7 mg/kg	0.0007 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				5.5 mg/kg		5.5 mg/kg	0.00055 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				3.8 mg/kg		3.8 mg/kg	0.00038 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				3.7 mg/kg		3.7 mg/kg	0.00037 %		
		205-883-8	191-24-2							
Total:								0.0287 %		

Key	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 100 mg/kg (0.01%) because: Solid waste without a free draining liquid phase

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene (conc.: 2.3e-07%)

toluene (conc.: 2.5e-07%)

ethylbenzene (conc.: 1.2e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 2.7e-07%)

Classification of sample: WS4

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS4	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
6.6%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 6.6% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.4 mg/kg	1.32	7.13 mg/kg	0.000713 %		
2	 beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.5 mg/kg	2.775	6.938 mg/kg	0.000694 %		
3	 boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.5 mg/kg	3.22	4.83 mg/kg	0.000483 %		
4	 cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
5	 chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
6	 copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
7	 lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	22 mg/kg	1.56	34.316 mg/kg	0.0022 %		
8	 mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
9	 nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4 mg/kg	2.976	11.905 mg/kg	0.00119 %		
10	 selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.31 mg/kg	1.405	0.436 mg/kg	0.0000436 %		
11	 vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		50 mg/kg	1.785	89.259 mg/kg	0.00893 %		
12	 zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
13	 pH			PH		9.8 pH		9.8 pH	9.8 pH		
14	 cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene 601-052-00-2	202-049-5	91-20-3		0.2 mg/kg		0.2 mg/kg	0.00002 %		
16	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	phenanthrene 201-581-5	85-01-8			0.69 mg/kg		0.69 mg/kg	0.000069 %		
20	anthracene 204-371-1	120-12-7			0.12 mg/kg		0.12 mg/kg	0.000012 %		
21	fluoranthene 205-912-4	206-44-0			0.8 mg/kg		0.8 mg/kg	0.00008 %		
22	pyrene 204-927-3	129-00-0			0.72 mg/kg		0.72 mg/kg	0.000072 %		
23	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.64 mg/kg		0.64 mg/kg	0.000064 %		
24	chrysene 601-048-00-0	205-923-4	218-01-9		0.81 mg/kg		0.81 mg/kg	0.000081 %		
25	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.74 mg/kg		0.74 mg/kg	0.000074 %		
26	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.44 mg/kg		0.44 mg/kg	0.000044 %		
27	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.64 mg/kg		0.64 mg/kg	0.000064 %		
28	indeno[123-cd]pyrene 205-893-2	193-39-5			0.59 mg/kg		0.59 mg/kg	0.000059 %		
29	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.34 mg/kg		0.34 mg/kg	0.000034 %		
30	benzo[ghi]perylene 205-883-8	191-24-2			0.61 mg/kg		0.61 mg/kg	0.000061 %		
Total:								0.0369 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

■ salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from:: WM3, Table C12.2

■ ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2B (77) 2000

■ acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

■ fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

■ anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

▪ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

chromium in Cr(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worst case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {selenium compounds with the exception of cadmium sulposelenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulposelenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case CLP species based on hazard statements/molecular weight

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
 HazWasteOnline Classification Engine Version: 2025.322.300.300 (13 May 2026)
 HazWasteOnline Database: 2026.83.7020.12656 (25 Mar 2026)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025

H. Contaminated Land Risk Methodology

H.1 General

The methodology for the Phase II assessment of potential land contamination adopted in this report is based on current guidance documents, in particular CIRIA Report C552²³.

H.2 Classification of Risk

The potential consequences of contamination risks occurring at this site are classified in accordance with the following table (Table H.1), which is adapted from the CIRIA C552 guidance.

Table H.1: Classification of Consequence

Classification	Definition of Consequence
Severe	Short-term (acute) risks to human health. Short-term risk of pollution of sensitive water resource or ecosystem. Catastrophic damage to crops/buildings/property/infrastructure, including off-site soils.
Medium	Medium/long-term (chronic) risks to human health. Medium/long-term risk of pollution of sensitive water resource or ecosystem. Significant damage to crops/buildings/property/infrastructure (on or off-site). Contamination of off-site soils.
Mild	Easily preventable, permanent health effects on humans. Pollution of non-sensitive water resources. Localised damage to crops/buildings/property/infrastructure (on or off-site).
Minor	Easily preventable, non-permanent health effects on humans, or no effects. Minor, low-level and localised contamination of on-site soils. Easily repairable damage to crops/buildings/property/infrastructure.

The probability of contamination risks occurring at this site will be classified in accordance with Table H.2, which is also adapted from the CIRIA guidance. Note that for each category, it is assumed that a pollution linkage exists. Where a pollution linkage does not exist, the likelihood is zero, as is the risk.

Table H.2: Classification of Probability

Classification	Definition of Probability
High Likelihood	Circumstances are such that an event appears very likely in the short-term or almost inevitable in the long-term; or there is already evidence that such an event has occurred.
Likely	Circumstances are such that such an event is not inevitable, but is possible in the short-term and is likely over the long-term.
Low Likelihood	Circumstances are such that it is by no means certain that an event would occur even over a longer period, and it is less likely in the short-term.
Unlikely	Circumstances are such that it is improbable that an event would occur even in the very long-term.

For each possible pollution linkage (source-pathway-receptor) identified, the potential risk can be evaluated, based on the following principle:

Contamination risk = Probability of event occurring x Consequence of event occurring

This relationship can be represented graphically as a matrix (Table H.3), which is adapted from the CIRIA guidance.

²³ CIRIA. 2001. Contaminated Land Risk Assessment: A guide to good practice (C552).

Table H.3: Overall Contamination Risk

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate risk	Low risk
	Low Likelihood	Moderate risk	Moderate risk	Low risk	Very low risk
	Unlikely	Low risk	Low risk	Very low risk	Very low risk

The definitions of the risk categories identified in the above matrix are given in Table H.4, together with the investigatory and remedial actions that are likely to be necessary in each case. The risk categories apply to each pollutant linkage, not just to each hazard or receptor.

Table H.4: Risk Category

Risk Category	Definition and likely actions required
Very high	Severe harm to a defined receptor is very likely, or has already occurred. The risk is likely to result in a substantial liability. Urgent investigation (if not already undertaken) is likely to be required. Urgent remediation is likely to be required.
High	Harm to a defined receptor is likely. The risk, if realised, may result in a substantial liability. Urgent investigation (if not already undertaken) is likely to be required. Remediation is likely to be required in the long term, possibly sooner.
Moderate	Harm to a defined receptor is possible, but severe harm is unlikely. Investigation is likely to be required to clarify the level of potential liability and risk. Some remediation may be required in the longer term.
Low	Harm to a defined receptor is possible, but is likely to be mild at worst. Liabilities could theoretically arise, but are unlikely. Further investigation is not required at this stage. Remediation is unlikely to be required.
Very low	Harm to a defined receptor is unlikely, and would be minor at worst. No liabilities are likely to arise. Further investigation is not required at this stage. Remediation is very unlikely to be required.

