

#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** Provisional

**Map date:** 1964

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed N/A  
 Revised 1961  
 Edition 1964  
 Copyright 1964  
 Levelled N/A

Surveyed N/A  
 Revised 1963  
 Edition 1964  
 Copyright 1964  
 Levelled N/A

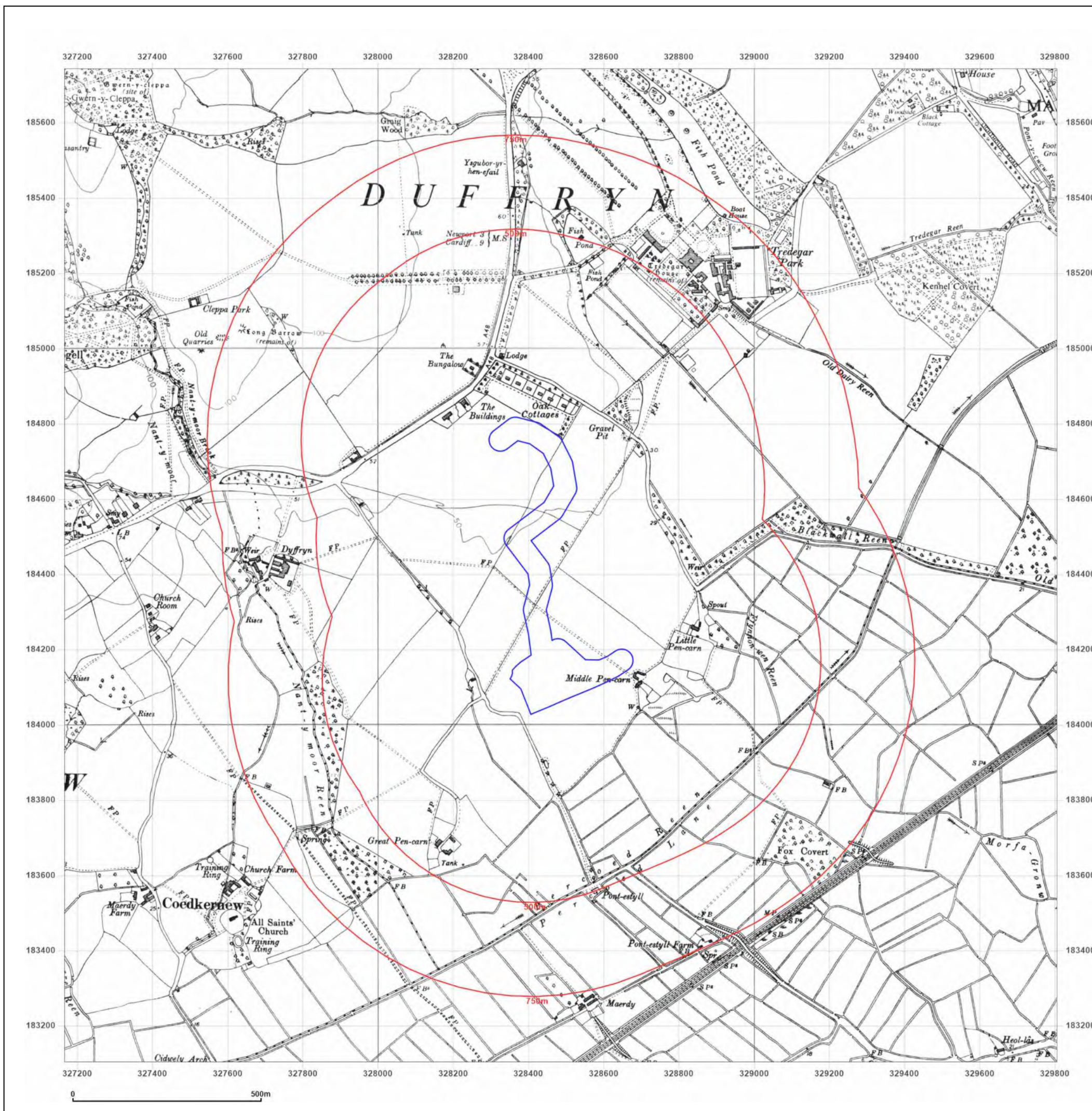


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 Groundsure Insights  
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 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

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Production date: 30 May 2023

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

**Map date:** 1970

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1970  
 Revised 1970  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1969  
 Revised 1970  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

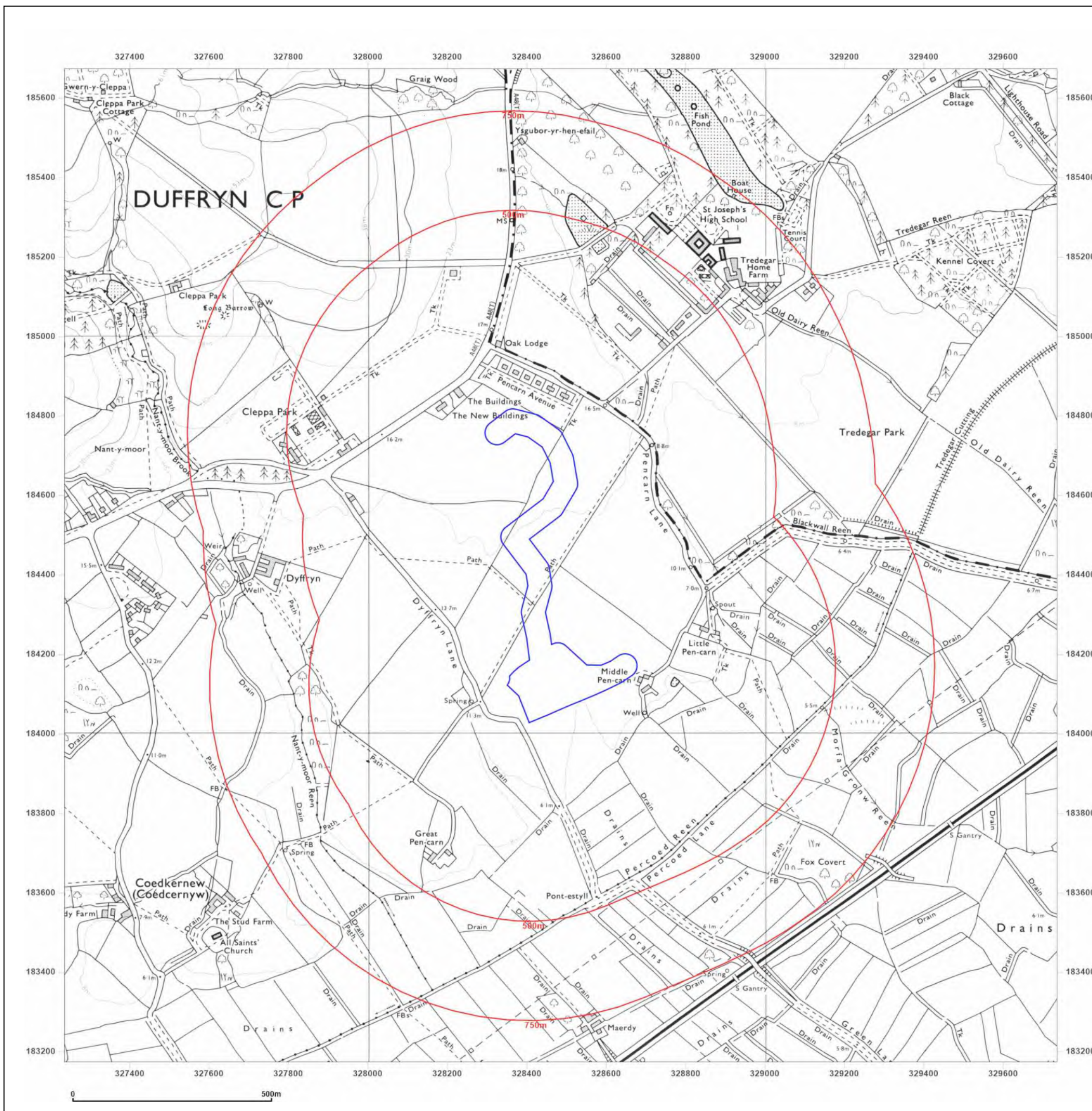


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Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

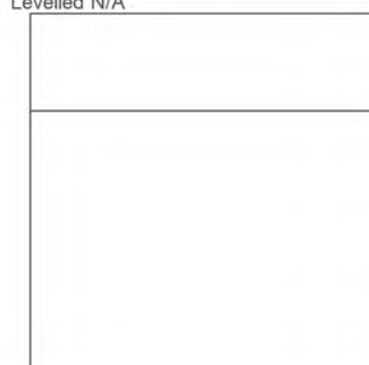
**Map date:** 1981

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1981  
 Revised 1981  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

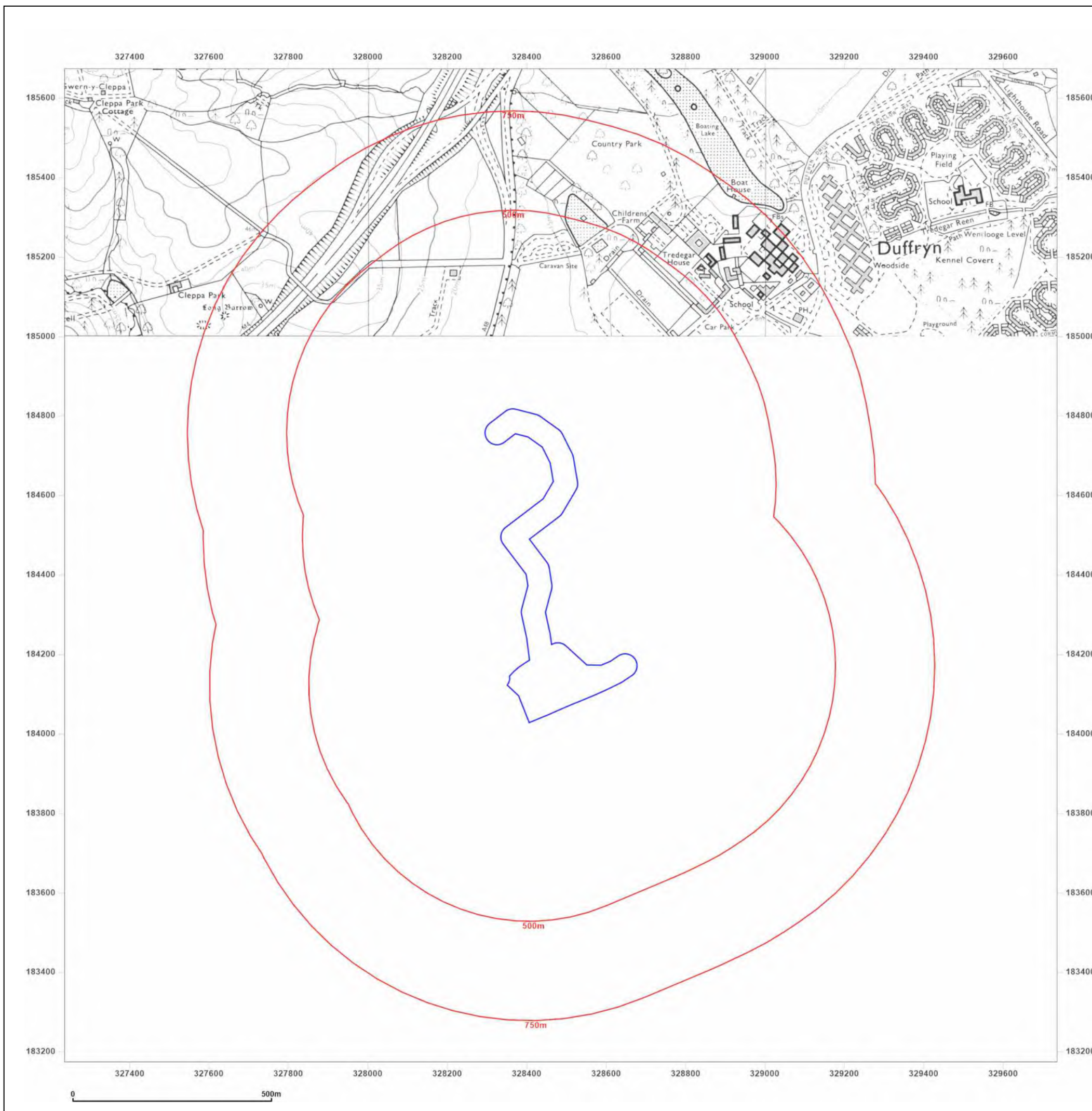


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#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

**Map date:** 1995

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1979  
 Revised 1995  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

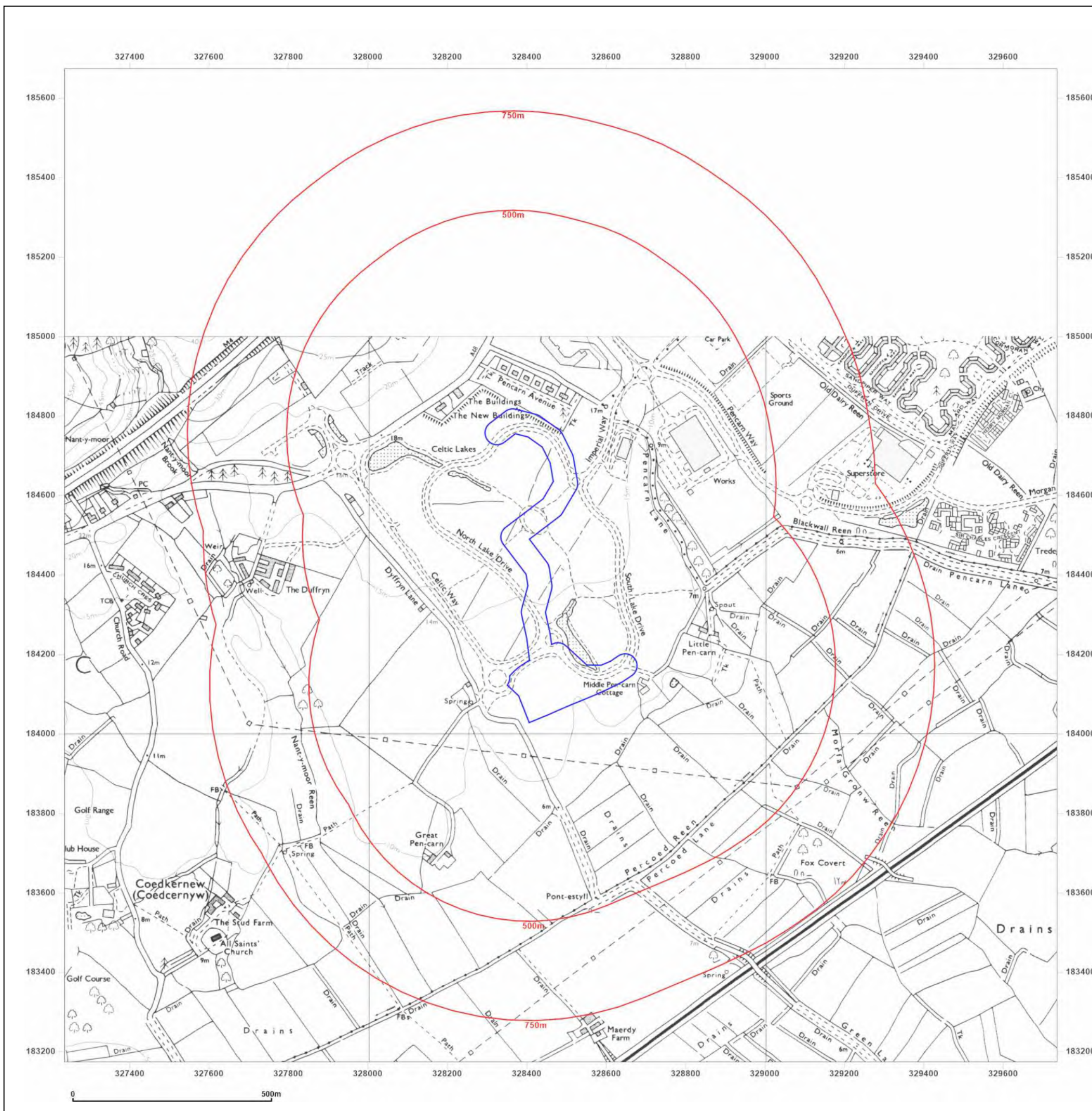


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#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000



2001

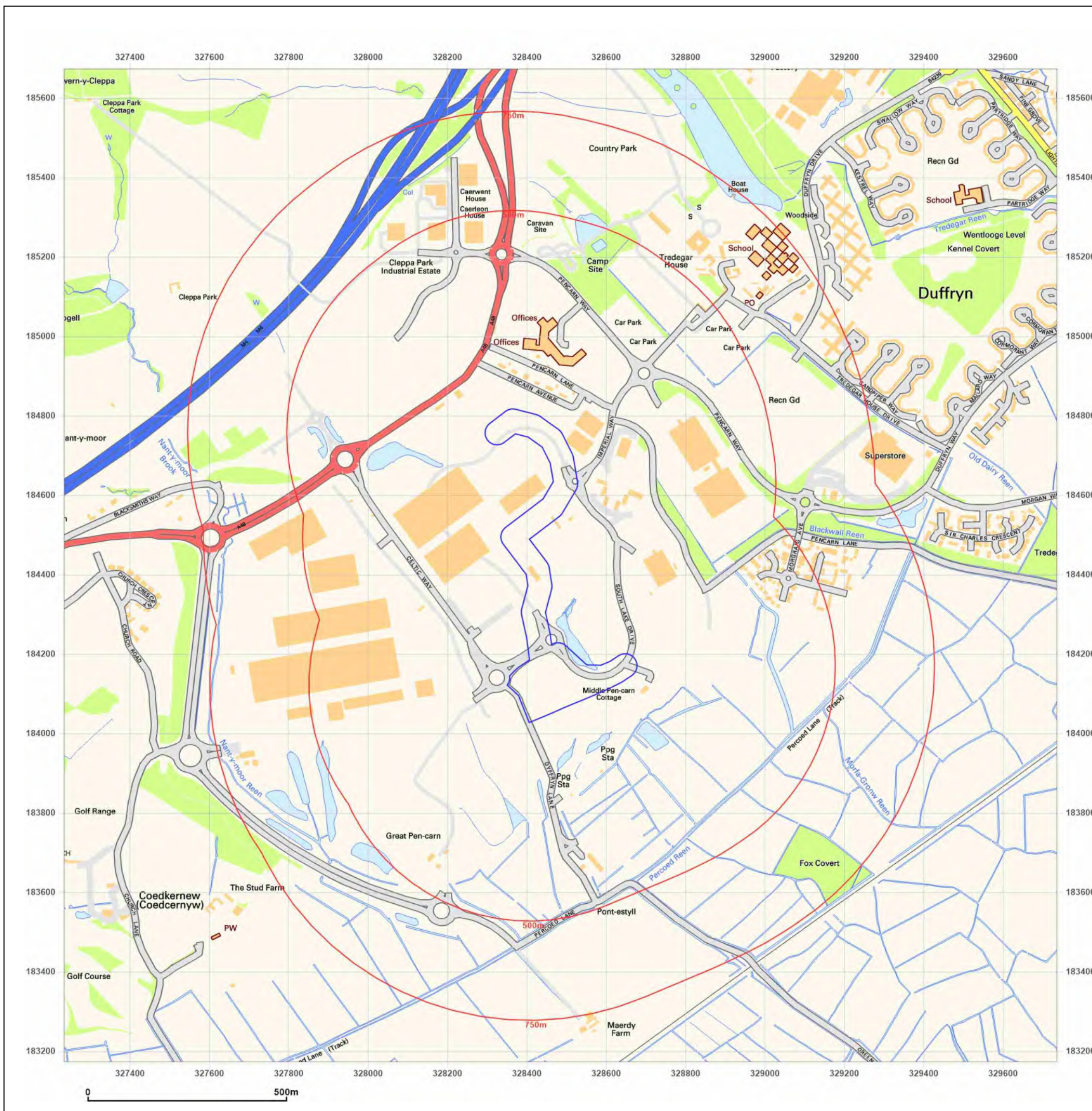


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#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000



2010

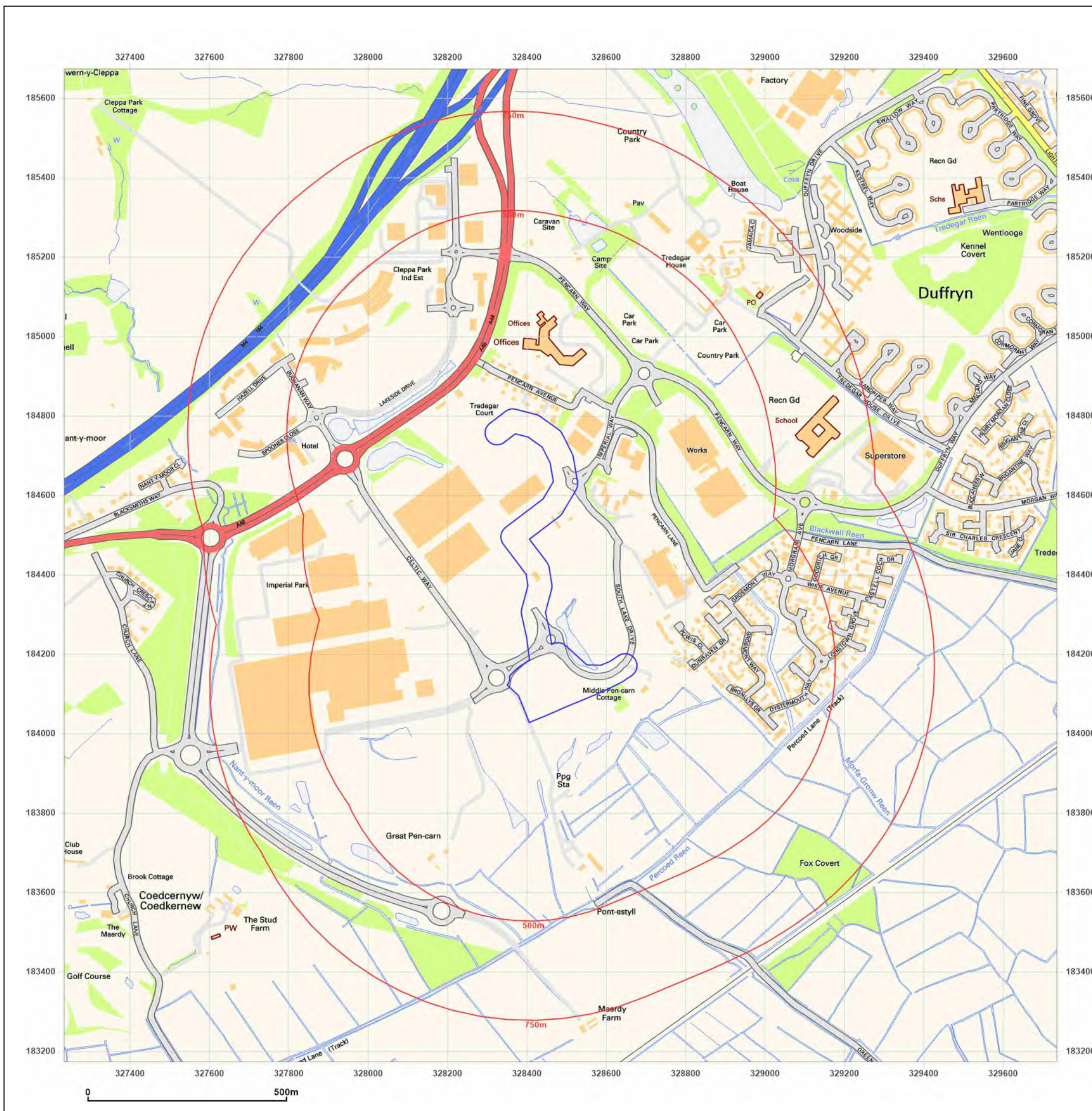


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#### Site Details:

Newport Site 2

**Client Ref:** Newport Site 2  
**Report Ref:** GSIP-2023-13616-13747  
**Grid Ref:** 328485, 184423

**Map Name:** National Grid

**Map date:** 2023

**Scale:** 1:10,000

**Printed at:** 1:10,000



2023

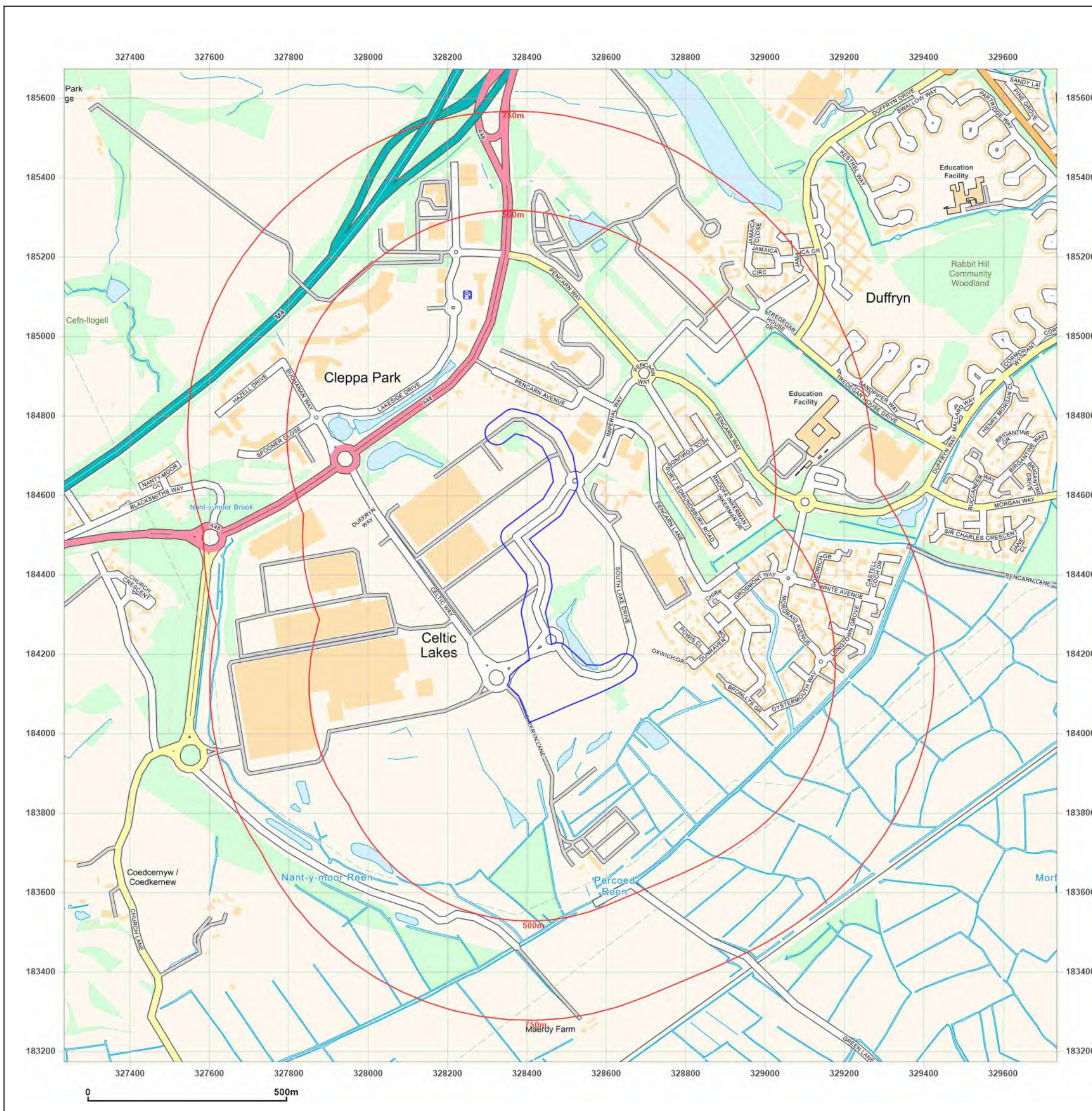


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Production date: 30 May 2023

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## Appendix D. UXO Maps



# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

Location: NP10 8BE,  
Map Centre: 327942,184408



## 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.

- military**
- industry**
- UXO find**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

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

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment\* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment\* is necessary.

### What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

**Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.**

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

If both the map and other research confirms 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.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

### 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 number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

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 acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

\*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

# Appendix E. BGS Borehole Records

## E.1 ST28SE101

 British Geological Survey

BGS ID: 383251 : BGS Reference: ST28SE101  
EPSG: 27700 : 328500,184250

Wales NRA  
Wales NS  
National Rivers Authority  
Welsh Region

17.7.96  
ST28SE101

FORMS WR-39  
NGDC  
ACCESSION  
NUMBER  
25171

BOREHOLE RECORD

NRA No. L2. 6/95 - 41C  
SE.92 Hyd.

**A. SITE DETAILS** ST28SE 101

Borehole drilled for ..... Mr Initials: Surname:  
Mrs GALIFORD WALES AND WEST LIMITED  
Ms

Location ..... CELTIC LAKES, NEWPORT, GWENT

NGR (8 fig.) ST 2850 8425 Please attach site plan

Ground Level (if known) ...

Drilling Company ..... DENVER CONSTRUCTION SERVICES

Date of drilling ..... Commenced: 25.10.95 Completed: 27.10.95

**B. CONSTRUCTION DETAILS**

Borehole datum (if not ground level) ..... GROUND LEVEL above  
(point from which all measurements of depth are taken eg flange, edge of chamber, etc) m below GL

Borehole drilled diameter ..... 200 mm from GL to 7.2 m/depth  
125 mm from 7.2 to 50.0 m/depth  
mm from to m/depth

Casing material H.D.P.E. diameter ..... 160 mm from GL to 7.2 m/depth  
and type (eg plain or slotted) .....

(Plain) H.D.P.E. diameter ..... 105 mm from GL to 29.0 m/depth  
(Slotted) H.D.P.E. diameter ..... 105 mm from 29.0 to 50.0 m/depth  
mm from to m/depth

Grouting details ..... GROUTED TO 2m DEPTH

Water struck at ..... 8.3, 24.0, 33.0, m (depth below datum - mbd)  
40.0, 43.0 m (depth below datum - mbd)

Rest water Level on completion ..... 7.7 mbd

**C. TEST PUMPING SUMMARY** (please supply full details on Form WR-39)

Test Pumping Datum ..... TOP OF CASING above  
(if different from borehole datum) m below borehole datum (mbd)

Pump Suction Depth ..... 30.0 mbd

Water Level (Start of Test) ... 8.0 mbd

Water Level (End of Test) ... 8.4 mbd

Pumping rate ..... 90 m<sup>3</sup>/d: l/s  
for 3 days/hours

Recovery to ..... 8.0 mbd in 40 mins : hrs : days  
(from end of pumping)

Date(s) of measurements ..... 1-4, 11.95

Please Supply Chemical Analysis if Available

Contact BGS: ngdc@bgs.ac.uk



ST28/10

FORM WR-38 (cont.)

NRA  
No.

(Please Type)

NGR (8fig) .....ST | 2850 | 8425

ST28SE101

D. STRATA LOG

| Geological<br>Classification                                                                                                            | Description of strata                                       | Thickness | Depth       |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------|-------------|
| (BGS only)                                                                                                                              |                                                             | m         | m           |
|                                                                                                                                         | Red silty CLAY with many sub-rounded<br>gravels and cobbles | 3.90      | GL - 3.90   |
|                                                                                                                                         | Brown silty sandy GRAVELS, COBBLES and<br>BOULDERS          | 2.2       | 3.9 - 6.2   |
|                                                                                                                                         | Red Marl (Driller's Description)                            | 30.6      | 6.2 - 37.0  |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 1.5       | 37.0 - 38.5 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 1.5       | 38.5 - 40.0 |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 0.8       | 40.0 - 40.8 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 2.2       | 40.8 - 43.0 |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 2.0       | 43.0 - 45.0 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 3.0       | 45.0 - 50.0 |
| (continue on separate page if necessary)                                                                                                |                                                             |           |             |
| Other Comments (eg gas encountered, saline water intercepted,<br>etc) Groundwater strikes at 8.3m, 24.0m.<br>33.0, 40.0 and 43.0m depth |                                                             |           |             |

FOR OFFICIAL USE ONLY

FILE ..... CONSENT NO ..... BGS REF NO .....  
LICENCE NO ..... USE OF BH .....



Wetson NRA  
Wetson NS.  
FORMS WR-38

National Rivers Authority  
Welsh Region

249

ST28/10

N.N. 950074

(Please type)

BOREHOLE RECORD

|     |               |
|-----|---------------|
| NRA | L2. 6/95 - HC |
| No. | SE.92 Hyd.    |

| A. SITE DETAILS                                                                        |                                              | ST28SE                                |  |
|----------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|--|
| Borehole drilled for .....                                                             | Mr Initials: Surname:                        |                                       |  |
|                                                                                        | Mrs GALIFORD WALES AND WEST LIMITED          |                                       |  |
|                                                                                        | Ms                                           |                                       |  |
| Location .....                                                                         | CELTIC LAKES, NEWPORT, GWENT                 |                                       |  |
| NGR (8 fig.)                                                                           | ST 2850 8425                                 | Please attach site plan               |  |
| Ground Level (if known) ...                                                            |                                              |                                       |  |
| Drilling Company .....                                                                 | DENVER CONSTRUCTION SERVICES                 |                                       |  |
| Date of drilling .....                                                                 | Commenced: 25.10.95                          | Completed: 27.10.95                   |  |
| B. CONSTRUCTION DETAILS                                                                |                                              |                                       |  |
| Borehole datum (if not ground level) .....                                             | GROUND LEVEL                                 | above<br>m below GL                   |  |
| (point from which all measurements of depth are taken eg flange, edge of chamber, etc) |                                              |                                       |  |
| Borehole drilled diameter .....                                                        | 200 mm from GL to 7.2 m/depth                |                                       |  |
|                                                                                        | 125 mm from 7.2 to 50.0 m/depth              |                                       |  |
|                                                                                        | mm from to m/depth                           |                                       |  |
| Casing material H.D.P.E. diameter and type (eg plain or slotted) .....                 | 160 mm from GL to 7.2 m/depth                |                                       |  |
| (Plain) H.D.P.E. diameter                                                              | 105 mm from GL to 29.0 m/depth               |                                       |  |
| (Slotted) H.D.P.E. diameter                                                            | 105 mm from 29.0 to 50.0 m/depth             |                                       |  |
|                                                                                        | diameter mm from to m/depth                  |                                       |  |
| Grouting details .....                                                                 | GROUTED TO 2m DEPTH                          |                                       |  |
| Water struck at .....                                                                  | 8.3, 24.0, 33.0, m (depth below datum - mbd) |                                       |  |
|                                                                                        | 40.0, 43.0 m (depth below datum - mbd)       |                                       |  |
| Rest water Level on completion .....                                                   | 7.7 mbd                                      |                                       |  |
| C. TEST PUMPING SUMMARY (please supply full details on Form WR-39)                     |                                              |                                       |  |
| Test Pumping Datum (if different from borehole datum) .....                            | TOP OF CASING                                | above<br>m below borehole datum (mbd) |  |
| Pump Suction Depth .....                                                               | 30.0                                         | mbd                                   |  |
| Water Level (Start of Test) ...                                                        | 8.0                                          | mbd                                   |  |
| Water Level (End of Test) ...                                                          | 8.4                                          | mbd                                   |  |
| Pumping rate .....                                                                     | 90                                           | m <sup>3</sup> /d: l/s                |  |
| for                                                                                    | 3                                            | days/hours                            |  |
| Recovery to .....                                                                      | 8.0 mbd                                      | in 40 mins : hrs : days               |  |
| (from end of pumping)                                                                  |                                              |                                       |  |
| Date(s) of measurements .....                                                          | 1-4. 11.95                                   |                                       |  |
| Please Supply Chemical Analysis if Available                                           |                                              |                                       |  |



ST28/10

FORM WR-38 (cont.)

NRA  
No.

(Please Type)

NGR (8fig) .....|ST | 2850 | 8425

**D. STRATA LOG**

| Geological<br>Classification                                                                                                            | Description of strata                                       | Thickness | Depth       |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------|-------------|
| (BGS only)                                                                                                                              |                                                             | m         | m           |
|                                                                                                                                         | Red silty CLAY with many sub-rounded<br>gravels and cobbles | 3.90      | GL - 3.90   |
|                                                                                                                                         | Brown silty sandy GRAVELS, COBBLES and<br>BOULDERS          | 2.2       | 3.9 - 6.2   |
|                                                                                                                                         | Red Marl (Driller's Description)                            | 30.6      | 6.2 - 37.0  |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 1.5       | 37.0 - 38.5 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 1.5       | 38.5 - 40.0 |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 0.8       | 40.0 - 40.8 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 2.2       | 40.8 - 43.0 |
|                                                                                                                                         | Sandstone (Driller's Description)                           | 2.0       | 43.0 - 45.0 |
|                                                                                                                                         | Siltstone (Driller's Description)                           | 3.0       | 45.0 - 50.0 |
| (continue on separate page if necessary)                                                                                                |                                                             |           |             |
| Other Comments (eg gas encountered, saline water intercepted,<br>etc) Groundwater strikes at 8.3m, 24.0m.<br>33.0, 40.0 and 43.0m depth |                                                             |           |             |

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FILE ..... CONSENT NO ..... BGS REF NO .....  
LICENCE NO ..... USE OF BH .....

Contact BGS: [ngdc@bgs.ac.uk](mailto:ngdc@bgs.ac.uk)



## DATA ACQUISITION SHEET

NRA region: *Wales*

File Number: *CA SE/92*

*ST28/10*

*LJB/b/1023*

*LJB/93.*

### Pump Well Identification:

NRA id No:

BGS (WL) No: *ST28/10*

NGR: *ST 2850 8425*

Elevation:

Measuring Point:

Site Name: *Celtic Lakes*

Locality:

### Well details:

depth of pumping well: *50m.*

diameter: *160-105mm*

casing details: *160mm to 22m } plain  
105mm to 29m }  
then slotted.*

☐ observation boreholes

number of obs bhs:

obs bh details:

### Aquifer Details:

confined / semi-confined / unconfined

confining layer:

| Borehole Stratigraphy                 | from       | to         | thick      | units    |
|---------------------------------------|------------|------------|------------|----------|
| <i>clay</i>                           | <i>0</i>   | <i>3.9</i> | <i>3.9</i> |          |
| <i>gravel, cobbles &amp; boulders</i> | <i>3.9</i> | <i>6.1</i> | <i>2.2</i> | <i>m</i> |
| <i>ORS.</i>                           | <i>6.1</i> | <i>50</i>  |            |          |

### Pumping Test Details:

date of test: *1/11/95.*

length of test:

RWL: *8mbd.* *dd = 0.4m.*

PWL: *8.4m.*

pumping rate: *90m<sup>3</sup>/d.*



Additional Well Information:

|                          |                                                     |        |                  |                 |
|--------------------------|-----------------------------------------------------|--------|------------------|-----------------|
| <input type="checkbox"/> | Well Loss Data:                                     | B..... | C.....           | Efficiency..... |
| <input type="checkbox"/> | Well Acidified                                      |        |                  |                 |
| <input type="checkbox"/> | Flow Logs                                           |        |                  |                 |
| <input type="checkbox"/> | Other Geophysical Logs                              |        |                  |                 |
| <input type="checkbox"/> | Fissure Information: major inflows from.....to..... |        |                  |                 |
|                          |                                                     |        | from.....to..... |                 |
|                          |                                                     |        | from.....to..... |                 |

Aquifer Parameters:

| Analysis Type                 | Transmissivity        | Storativity |
|-------------------------------|-----------------------|-------------|
| Jacob (early)<br>(up to 100m) | 264m <sup>2</sup> /d. |             |

Confidence:

excellent ☐ ☐ ☐ ☒ ☐ very poor

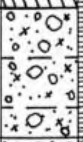
Notes:

## E.2 ST28SE134



British  
Geological  
Survey

BGS ID: 15951507 : BGS Reference: ST28SE134  
EPSG: 27700 : 328260, 184180

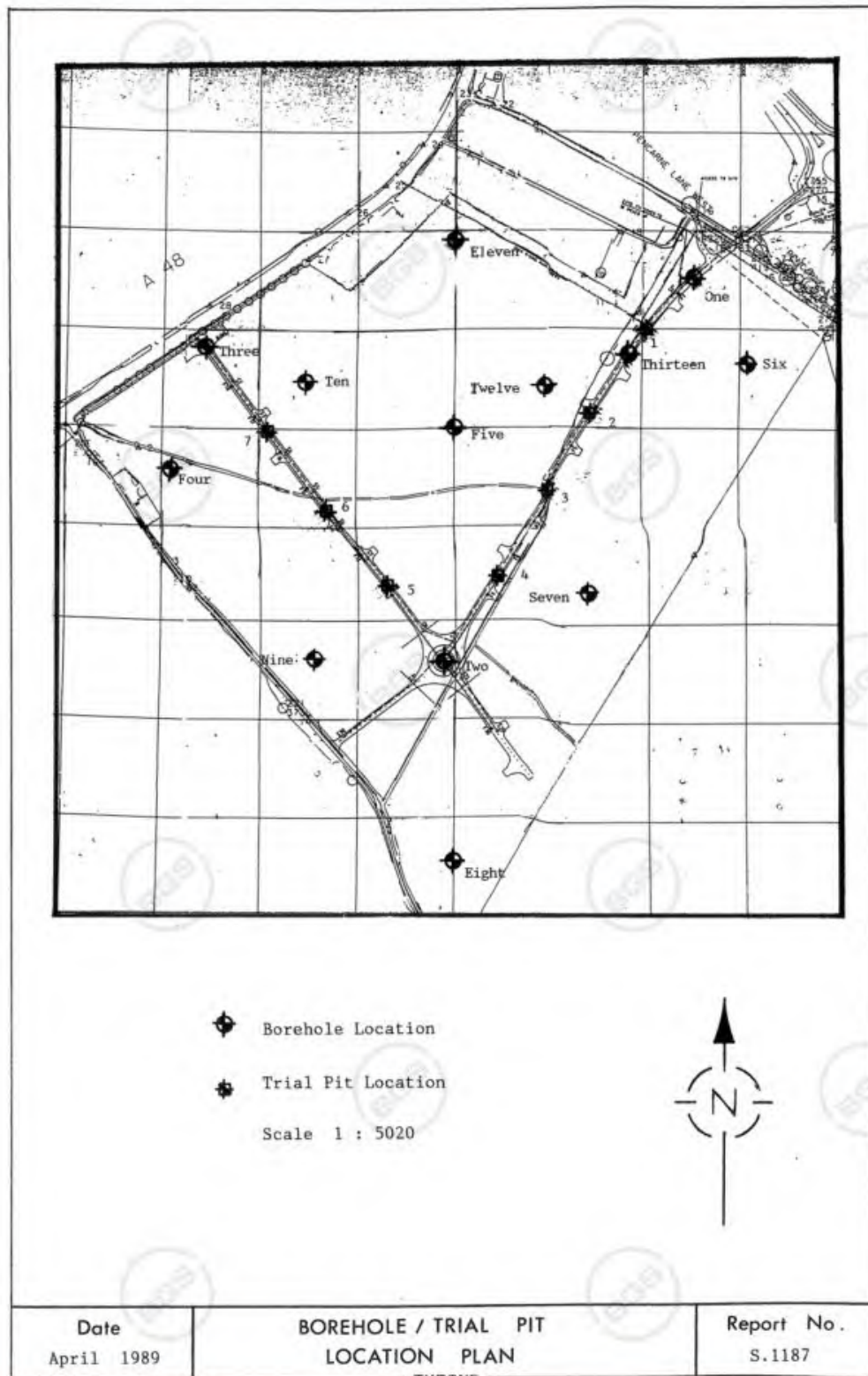
| LOCATION : Duffryn Farm, Newport                                                                                                                           |                                                                                     |            | BOREHOLE No. Eight                      |            |      |                           |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|-----------------------------------------|------------|------|---------------------------|--------------------------|
|                                                                                                                                                            |                                                                                     |            | DATE OF BORING: 07-13.06.1989           |            |      |                           |                          |
| Description of Strata                                                                                                                                      | STRATA CHANGE                                                                       |            |                                         | SAMPLES    |      | S P T<br>C P T<br>N-VALUE | WATER<br>LEVEL<br>M      |
|                                                                                                                                                            | LEGEND                                                                              | DEPTH<br>M | O.D.<br>LEVEL<br>M                      | DEPTH<br>M | TYPE |                           |                          |
| TOPSOIL<br>Loose, medium grey brown, mottled orange brown, sandy, slightly clayey SILT/TOPSOIL with abundant rootlets and fine medium gravel               |    | 1.00       |                                         | 1.00       | J    | 41                        | see<br>separate<br>sheet |
| RIVER TERRACE DEPOSITS<br>Very stiff, orange brown sandy silty CLAY with occasional grey sandy pockets and abundant fine medium flint and sandstone gravel |    | 2.00       |                                         | 2.00       | J    | 49                        |                          |
| Very dense medium brown fine medium coarse, slightly sandy, sub-angular to sub-rounded sandstone GRAVEL<br><br>- becoming sandy                            |   | 3.00       |                                         | 3.00       | B    | 108*                      |                          |
|                                                                                                                                                            |                                                                                     | 4.00       |                                         | 4.00       | B    | 128*                      |                          |
|                                                                                                                                                            |                                                                                     | 5.00       |                                         | 5.00       | B    | 68*                       |                          |
| KEUPER MARL<br>Very stiff, red brown, occasionally mottled light green grey, silty CLAY, varying to a very weak mudstone in places.                        |  | 5.60       |                                         | 5.60       | J    |                           |                          |
|                                                                                                                                                            |                                                                                     | 6.00       |                                         | 6.00       |      |                           |                          |
|                                                                                                                                                            |                                                                                     | 6.50       |                                         | 6.50       | J    | 32                        |                          |
|                                                                                                                                                            |                                                                                     | 7.00       |                                         | 7.00       |      |                           |                          |
|                                                                                                                                                            |                                                                                     | 7.50       |                                         | 7.50       | J    |                           |                          |
|                                                                                                                                                            |                                                                                     | 8.00       |                                         | 8.00       | J    | 43*                       |                          |
|                                                                                                                                                            |  | 9.00       |                                         | 9.00       | J    |                           |                          |
| 9.50                                                                                                                                                       |                                                                                     |            | 9.50                                    |            | 200* |                           |                          |
| 10.00                                                                                                                                                      |                                                                                     |            | 10.00                                   | J          |      |                           |                          |
| BOREHOLE DIAMETER : 150mm                                                                                                                                  |                                                                                     |            | Σ - Water strike                        |            |      |                           |                          |
| LINING TUBES : 150mm to                                                                                                                                    |                                                                                     |            | Σ - Water (standing level)              |            |      |                           |                          |
| GROUND LEVEL : - 8.00m                                                                                                                                     |                                                                                     |            | W - Water Sample                        |            |      |                           |                          |
| REMARKS : Borehole drilled from existing ground level                                                                                                      |                                                                                     |            | B/J - Bulk/Jar Sample                   |            |      |                           |                          |
|                                                                                                                                                            |                                                                                     |            | S.P.T. - Standard Penetration Test      |            |      |                           |                          |
|                                                                                                                                                            |                                                                                     |            | C.P.T. - Cone Penetration Test          |            |      |                           |                          |
|                                                                                                                                                            |                                                                                     |            | (U) - Undisturbed Sample (38mm & 100mm) |            |      |                           |                          |
| Date.<br>April 1989                                                                                                                                        | BOREHOLE LOG                                                                        |            |                                         |            |      | Report No.<br>S.1187      |                          |

Contact BGS: [ngdc@bgs.ac.uk](mailto:ngdc@bgs.ac.uk)





| LOCATION : Duffryn Farm, Newport                                                                                                        |               | BOREHOLE No. Eight            |                    |                                                                                                                                                                                                                |      |                      |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|--------------------|
|                                                                                                                                         |               | DATE OF BORING: 07-13.06.1989 |                    |                                                                                                                                                                                                                |      |                      |                    |
| Description of Strata                                                                                                                   | STRATA CHANGE |                               |                    | SAMPLES                                                                                                                                                                                                        |      | SPT                  | WATER LEVEL        |
|                                                                                                                                         | LEGEND        | DEPTH<br>M                    | O.D.<br>LEVEL<br>M | DEPTH<br>M                                                                                                                                                                                                     | TYPE | N-VALUE              |                    |
| KEUPER MARL (Continued)                                                                                                                 |               |                               |                    | 10.50                                                                                                                                                                                                          | J    | 200 <sup>h</sup>     | see separate sheet |
|                                                                                                                                         |               | 11.00                         |                    | 11.00                                                                                                                                                                                                          | J    |                      |                    |
|                                                                                                                                         |               |                               |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 12.00                         |                    | 12.00                                                                                                                                                                                                          | J    | 104 <sup>h</sup>     |                    |
| Chiselling from 3.00 to 4.15m for 1 hour.                                                                                               |               |                               |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 13.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
| Chiselling from 7.00 to 8.50m for 1 hour.                                                                                               |               |                               |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 14.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
| * extrapolated 'N' value                                                                                                                |               | 15.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 16.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 17.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 18.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 19.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
|                                                                                                                                         |               | 20.00                         |                    |                                                                                                                                                                                                                |      |                      |                    |
| BOREHOLE DIAMETER : 150mm<br>LINING TUBES : 150mm to 8.00m<br>GROUND LEVEL : -<br>REMARKS : Borehole drilled from existing ground level |               |                               |                    | Z - Water strike<br>Y - Water (standing level)<br>W - Water Sample<br>B/J - Bulk/Jar Sample<br>S.P.T. - Standard Penetration Test<br>C.P.T. - Cone Penetration Test<br>(U) - Undisturbed Sample (38mm & 100mm) |      |                      |                    |
| Date.<br>April 1989                                                                                                                     | BOREHOLE LOG  |                               |                    |                                                                                                                                                                                                                |      | Report No.<br>S.1187 |                    |



## Appendix F. Geo-environmental Screening Sheets



| Assessment Criteria :                                             |          | Commercial - 1% SOM Sand |                             |                   |               |               |                       |                          |          |      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |   |   |    |   |   |
|-------------------------------------------------------------------|----------|--------------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|--------------------------|----------|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---|---|----|---|---|
| Use MRL Values?                                                   |          |                          |                             |                   |               |               |                       |                          |          |      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |   |   |    |   |   |
| Constituent                                                       | Unit     | Limit of Detection       | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedances | Locations of Exceedances | Location |      | TP01                | TP01                | TP02                | TP02                | TP03                | TP03                | TP04                | TP04                | TP05                | TP05                | IP02                | IP03                | IP04                | IP05                | IP06                | BH01                | BH02                | BH03                |   |   |    |   |   |
|                                                                   |          |                          |                             |                   |               |               |                       |                          | Strata   | Zone | None Supplied       | None Supplied       | ES                  | ES                  | 2                   | None Supplied       | 1                   | 2                   | 2                   | None Supplied       | 1                   | 2                   | 2                   | None Supplied       | 1                   | 2                   | 2                   | ES                  | 2 | 2 | ES | 2 | 2 |
|                                                                   |          |                          |                             |                   |               |               |                       |                          |          |      | 0.50-0.70m          | 0.50-0.70m          | 0.20-0.30m          | 1.00-1.20m          | 0.50-0.70m          | 1.00-1.20m          | 0.10-0.35m          | 0.50-0.80m          | 0.50-0.70m          | 2.80-3.00m          | 0.20-0.40m          | 0.55-0.75m          | 0.10-0.30m          | 0.60-0.80m          | 0.50-0.60m          | 0.50-0.70m          | 0.50-0.70m          |                     |   |   |    |   |   |
|                                                                   |          |                          |                             |                   |               |               |                       |                          |          |      | 23/10/2024          | 23/10/2024          | 21/10/2024          | 21/10/2024          | 22/10/2024          | 24/10/2024          | 23/10/2024          | 23/10/2024          | 22/10/2024          | 24/10/2024          | 22/10/2024          | 22/10/2024          | 23/10/2024          | 23/10/2024          | 21/10/2024          | 23/10/2024          | 25/10/2024          |                     |   |   |    |   |   |
|                                                                   |          |                          |                             |                   |               |               |                       |                          |          |      | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated | Natural Unsaturated |   |   |    |   |   |
| Asbestos In Soil Detected/Not Detected                            | Type     | N/A                      | No SSV                      | 16                | -             | -             | 0                     |                          |          |      | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        |                     | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        | Not-detected        |                     |   |   |    |   |   |
| Asbestos Analyst ID                                               | N/A      | N/A                      | No SSV                      | 16                | -             | -             | 16                    |                          |          |      | MBI                 | EWS                 | EWS                 | EWS                 | DSO                 | MBI                 | SCA                 | SCA                 | DSO                 |                     | Not-detected SCA    | Not-detected SCA    | Not-detected MMI    | Not-detected MMI    | Not-detected SCA    | Not-detected EWS    | Not-detected MBI    | Not-detected MBI    |   |   |    |   |   |
| General Inorganics                                                | No SSV   | No SSV                   | 0                           | -                 | -             | 0             |                       |                          |          |      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |   |   |    |   |   |
| pH (L059)                                                         | pH Units | N/A                      | No SSV                      | 16                | 6.7           | 8.4           | 0                     |                          |          |      | 6.8                 | 8                   | 8.4                 | 7.4                 | 6.7                 | 7.8                 | 6.8                 | 7.2                 |                     |                     | 7.4                 | 7.1                 | 7.3                 | 7                   | 7                   | 6.9                 | 8                   | 7.7                 |   |   |    |   |   |
| Total Cyanide                                                     | mg/kg    | 1                        | No SSV                      | 16                | <1            | <1            | 0                     |                          |          |      | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |                     | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |   |   |    |   |   |
| Complex Cyanide                                                   | mg/kg    | 1                        | No SSV                      | 16                | <1            | <1            | 0                     |                          |          |      | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |                     | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |   |   |    |   |   |
| Free Cyanide                                                      | mg/kg    | 1                        | 373                         | 16                | <1            | <1            | 0                     |                          |          |      | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |                     | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |   |   |    |   |   |
| Total Sulphate as SO <sub>4</sub>                                 | mg/kg    | 50                       | No SSV                      | 16                | 66            | 910           | 0                     |                          |          |      | 220                 | 910                 | 87                  | 350                 | 66                  | 170                 | 120                 | 450                 |                     |                     | 120                 | 80                  | 380                 | 100                 | 150                 | 230                 | 110                 | 430                 |   |   |    |   |   |
| Water Soluble Sulphate as SO <sub>4</sub> , 16hr extraction (2:1) | mg/kg    | 2.5                      | No SSV                      | 16                | 5.8           | 200           | 0                     |                          |          |      | 14                  | 43                  | 17                  | 32                  | 6.7                 | 12                  | 23                  | 200                 |                     |                     | 22                  | 8.8                 | 16                  | 5.8                 | 23                  | 38                  | 8.7                 | 18                  |   |   |    |   |   |
| Water Soluble SO <sub>4</sub> , 16hr extraction (2:1)             | mg/l     | 1.25                     | No SSV                      | 16                | 2.92          | 99.6          | 0                     |                          |          |      | 6.9                 | 21.3                | 8.31                | 16.2                | 3.34                | 6.06                | 11.6                | 99.6                |                     |                     | 10.7                | 4.39                | 7.85                | 2.92                | 11.2                | 19                  | 4.35                | 9.17                |   |   |    |   |   |
| Sulphide                                                          | mg/kg    | 1                        | No SSV                      | 16                | <1            | 55            | 0                     |                          |          |      | <1                  | 55                  | <1                  | <1                  | <1                  | 1.5                 | <1                  | <1                  | <1                  |                     | <1                  | 1.4                 | 2.4                 | <1                  | <1                  | <1                  | <1                  | <1                  |   |   |    |   |   |
| Water Soluble Chloride (2:1)                                      | mg/kg    | 1                        | No SSV                      | 16                | 1.1           | 18            | 0                     |                          |          |      | 2                   | 18                  | 2.2                 | 2.2                 | 1.9                 | 2.9                 | 2.8                 | 4                   |                     |                     | 3.3                 | 2.5                 | 4.2                 | 1.1                 | 4.8                 | 2.6                 | 4                   | 1.6                 |   |   |    |   |   |
| Ammoniacal Nitrogen as N                                          | mg/kg    | 0.5                      | No SSV                      | 16                | <0.5          | <0.5          | 0                     |                          |          |      | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |                     | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |   |   |    |   |   |
| Ammoniacal Nitrogen as NH <sub>4</sub>                            | mg/kg    | 0.5                      | No SSV                      | 16                | <0.5          | 0.5           | 0                     |                          |          |      | <0.5                | 0.5                 | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |                     | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |   |   |    |   |   |
| Ammonium - Exchangeable as NH <sub>4</sub> <sup>+</sup>           | mg/kg    | 0.5                      | No SSV                      | 16                | <0.5          | 0.5           | 0                     |                          |          |      | <0.5                | 0.5                 | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |                     | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                | <0.5                |   |   |    |   |   |
| Total Nitrogen (Kjeldahl)                                         | mg/kg    | 5                        | No SSV                      | 16                | 200           | 2800          | 0                     |                          |          |      | 980                 | 1800                | 200                 | 740                 | 430                 | 290                 | 380                 | 1600                |                     |                     | 2800                | 200                 | 1400                | 470                 | 420                 | 570                 | 570                 | 1700                |   |   |    |   |   |
| Organic Matter (automated)                                        | %        | 0.1                      | No SSV                      | 16                | 0.4           | 4.7           | 0                     |                          |          |      | 1.6                 | 4.7                 | 0.6                 | 1.5                 | 0.6                 | 0.6                 | 0.9                 | 1.5                 |                     |                     | 0.7                 | 0.4                 | 2.4                 | 0.4                 | 0.9                 | 1.1                 | 0.6                 | 2.5                 |   |   |    |   |   |
| Water Soluble Nitrate (2:1) as N                                  | mg/kg    | 2                        | No SSV                      | 16                | <2            | 2.5           | 0                     |                          |          |      | <2                  | <2                  | <2                  | <2                  | <2                  | <2                  | <2                  | <2                  |                     |                     | <2                  | <2                  | <2                  | <2                  | <2                  | <2                  | <2                  | 2.5                 |   |   |    |   |   |
| Nitrite as N (Water Soluble) (2:1)                                | mg/kg    | 0.00002                  | No SSV                      | 16                | <0.00002      | 0.412         | 0                     |                          |          |      | <0.00002            | 0.0129              | 0.00899             | 0.0226              | 0.0134              | 0.0287              | 0.0374              | 0.00422             |                     |                     | 0.032               | 0.0274              | 0.0952              | 0.00749             | 0.412               | 0.0515              | 0.0637              | 0.0188              |   |   |    |   |   |
| Total Phenols                                                     | No SSV   | No SSV                   | 0                           | -                 | -             | 0             |                       |                          |          |      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |   |   |    |   |   |
| Total Phenols (monohydric)                                        | mg/kg    | 1                        | No SSV                      | 16                | <1            | <1            | 0                     |                          |          |      | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |                     |                     | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  | <1                  |   |   |    |   |   |
| Speciated PAHs                                                    | No SSV   | No SSV                   | 0                           | -                 | -             | 0             |                       |                          |          |      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |   |   |    |   |   |
| Naphthalene                                                       | mg/kg    | 0.05                     | 1600                        | 18                | <0.05         | <0.05         | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Acenaphthylene                                                    | mg/kg    | 0.05                     | 83000                       | 18                | <0.05         | <0.05         | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Acenaphthene                                                      | mg/kg    | 0.05                     | 84000                       | 18                | <0.05         | <0.05         | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Fluorene                                                          | mg/kg    | 0.05                     | 63000                       | 18                | <0.05         | <0.05         | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Phenanthrene                                                      | mg/kg    | 0.05                     | No SSV                      | 18                | <0.05         | 0.16          | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Anthracene                                                        | mg/kg    | 0.05                     | 520000                      | 18                | <0.05         | <0.05         | 0                     |                          |          |      | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Fluoranthene                                                      | mg/kg    | 0.05                     | 23000                       | 18                | <0.05         | 0.45          | 0                     |                          |          |      | <0.05               | <0.05               | 0.45                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | 0.05                | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Pyrene                                                            | mg/kg    | 0.05                     | 54000                       | 18                | <0.05         | 0.38          | 0                     |                          |          |      | <0.05               | <0.05               | 0.38                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Benzo(a)anthracene                                                | mg/kg    | 0.05                     | BaP Surrogate               | 18                | <0.05         | 0.35          | 0                     |                          |          |      | <0.05               | <0.05               | 0.35                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Chrysene                                                          | mg/kg    | 0.05                     | BaP Surrogate               | 18                | <0.05         | 0.35          | 0                     |                          |          |      | <0.05               | <0.05               | 0.35                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | 0.09                |   |   |    |   |   |
| Benzo(b)fluoranthene                                              | mg/kg    | 0.05                     | BaP Surrogate               | 18                | <0.05         | 0.54          | 0                     |                          |          |      | <0.05               | <0.05               | 0.54                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | 0.1                 |   |   |    |   |   |
| Benzo(k)fluoranthene                                              | mg/kg    | 0.05                     | BaP Surrogate               | 18                | <0.05         | 0.2           | 0                     |                          |          |      | <0.05               | <0.05               | 0.2                 | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |   |   |    |   |   |
| Benzo(a)pyrene                                                    | mg/kg    | 0.05                     | 77                          | 18                | <0.05         | 0.42          | 0                     |                          |          |      | <0.05               | <0.05               | 0.42                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | 0.07                |   |   |    |   |   |
| Indeno(1,2,3-cd)pyrene                                            | mg/kg    | 0.05                     | BaP Surrogate               | 18                | <0.05         | 0.22          | 0                     |                          |          |      | <0.05               | <0.05               | 0.22                | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               |                     | <0.05               | <0.05               | <0.05               | <0.05               | <0.05               | &lt                 |                     |                     |   |   |    |   |   |

| Assessment Criteria :                                   |          | Drinking Water Standard England and Wales/WHO |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
|---------------------------------------------------------|----------|-----------------------------------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|------------------------------------------------------|-----------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|
| CaCO (mg/l):                                            |          | 0.00                                          |                             | pH                |               | 7.13          |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Calcium (mg/l):                                         |          | 44.40                                         |                             | DOC (mg/l)        |               | 1.18          |                       | Catchment area: Usk                                  |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Constituents                                            | Unit     | Limit of Detection                            | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences | Locations of Exceedences                             | Location  |  | TP01       | TP02       | TP03       | TP04       | TP05       | IP02       | IP03       | IP04       | IP05       | IP06       | BH01       | BH02       | BH03       |   |
|                                                         |          |                                               |                             |                   |               |               |                       |                                                      | Sample ID |  | Well       | ES         | ES         | 2          | 2          | 2          | 1          | 2          | 1          | 2          | 2          | ES         | 2          | 2 |
|                                                         |          |                                               |                             |                   |               |               |                       |                                                      | Depth     |  | 0.50-0.70m | 1.00-1.20m | 0.50-0.70m | 0.50-0.80m | 0.50-0.70m | 0.20-0.40m | 0.55-0.75m | 0.10-0.30m | 0.60-0.80m | 0.50-0.60m | 0.50-0.70m | 0.50-0.70m | 0.50-0.70m |   |
|                                                         |          |                                               |                             |                   |               |               |                       |                                                      | Date      |  | 23/10/2024 | 21/10/2024 | 22/10/2024 | 23/10/2024 | 22/10/2024 | 22/10/2024 | 22/10/2024 | 23/10/2024 | 23/10/2024 | 22/10/2024 | 21/10/2024 | 23/10/2024 | 25/10/2024 |   |
|                                                         |          |                                               |                             |                   |               |               |                       |                                                      | Strata    |  | Zone       |            |            |            |            |            |            |            |            |            |            |            |            |   |
| pH (automated)                                          | pH Units | N/A                                           | No WSV                      | 13                | 6.6           | 7.7           | 0                     |                                                      |           |  | 6.7        | 7.2        | 7.5        | 6.8        | 7.3        | 7.3        | 7.1        | 7.7        | 7.4        | 6.9        | 6.6        | 6.8        | 7.5        |   |
| Total Cyanide (Low Level 1 µg/l)                        | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                                                      |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |   |
| Complex Cyanide (Low Level)                             | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                                                      |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |   |
| Free Cyanide (Low Level 1 µg/l)                         | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                                                      |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |   |
| Sulphate as SO <sub>4</sub>                             | mg/l     | 0.045                                         | No WSV                      | 13                | 0.901         | 6.05          | 0                     |                                                      |           |  | 2.91       | 2.23       | 2.03       | 1.71       | 6.05       | 1.31       | 1.28       | 1.9        | 0.901      | 1.14       | 1.54       | 1.49       | 3.29       |   |
| Sulphide                                                | mg/l     | 0.005                                         | No WSV                      | 13                | <0.005        | 0.0053        | 0                     |                                                      |           |  | <0.005     | <0.005     | 0.0053     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |   |
| Chloride                                                | mg/l     | 0.15                                          | 250                         | 13                | 0.79          | 2             | 0                     |                                                      |           |  | 2          | 1.6        | 1.2        | 1.5        | 1.5        | 1.9        | 1.4        | 1.6        | 1.5        | 1.4        | 1.2        | 1.3        | 0.79       |   |
| Ammoniacal Nitrogen as N                                | mg/l     | 0.015                                         | 0.2                         | 13                | 0.018         | 0.095         | 0                     |                                                      |           |  | 0.032      | 0.038      | 0.041      | 0.025      | 0.095      | 0.044      | 0.058      | 0.089      | 0.031      | 0.018      | 0.022      | 0.035      | 0.058      |   |
| Ammoniacal Nitrogen as NH <sub>3</sub>                  | mg/l     | 0.015                                         | No WSV                      | 13                | 0.021         | 0.12          | 0                     |                                                      |           |  | 0.039      | 0.046      | 0.049      | 0.03       | 0.12       | 0.053      | 0.071      | 0.11       | 0.038      | 0.021      | 0.027      | 0.042      | 0.07       |   |
| Ammonium - Exchangeable as NH <sub>4</sub> <sup>+</sup> | mg/l     | 0.015                                         | No WSV                      | 13                | 0.023         | 0.12          | 0                     |                                                      |           |  | 0.041      | 0.049      | 0.052      | 0.032      | 0.12       | 0.056      | 0.075      | 0.11       | 0.04       | 0.023      | 0.029      | 0.045      | 0.074      |   |
| Total Nitrogen (Kjeldahl)                               | mg/l     | 0.1                                           | No WSV                      | 13                | 0.1           | 4.3           | 0                     |                                                      |           |  | 0.3        | 0.2        | 0.8        | 0.5        | 0.2        | 0.7        | 0.5        | 0.2        | 0.2        | 4.3        | 0.3        | 0.2        | 0.1        |   |
| Nitrate as N                                            | mg/l     | 0.01                                          | No WSV                      | 13                | <0.01         | 1.03          | 0                     |                                                      |           |  | 0.27       | 0.31       | <0.01      | 0.18       | 0.51       | 0.15       | 0.16       | 0.04       | 0.12       | 0.18       | 0.44       | 0.12       | 1.03       |   |
| Nitrite as N                                            | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | 0.036         | 0                     |                                                      |           |  | 0.0089     | 0.017      | 0.0047     | <0.001     | <0.001     | 0.007      | 0.0013     | 0.0037     | 0.0043     | 0.0072     | 0.011      | 0.036      | <0.001     |   |
| Total Phenols                                           |          |                                               |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Total Phenols (monohydric)                              | mg/l     | 0.01                                          | No WSV                      | 13                | <0.01         | <0.01         | 0                     |                                                      |           |  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |   |
| Speciated PAHs                                          |          |                                               |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Naphthalene                                             | mg/l     | 0.00001                                       | 0.002                       | 13                | <0.00001      | 0.00035       | 0                     |                                                      |           |  | <0.00001   | 0.00035    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00016    | 0.00024    | <0.00001   | 0.00024    | <0.00001   | <0.00001   |   |
| Acenaphthylene                                          | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00009       | 0                     |                                                      |           |  | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00009    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Acenaphthene                                            | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00009       | 0                     |                                                      |           |  | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00003    | 0.00009    | <0.00001   | 0.00005    | <0.00001   | <0.00001   |   |
| Fluorene                                                | mg/l     | 0.00001                                       | N/A                         | 13                | <0.00001      | 0.00015       | 0                     |                                                      |           |  | <0.00001   | 0.00006    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00004    | 0.00015    | <0.00001   | 0.00005    | <0.00001   | <0.00001   |   |
| Phenanthrene                                            | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00025       | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00025    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Anthracene                                              | mg/l     | 0.00001                                       | 0.0001                      | 13                | <0.00001      | <0.00001      | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Fluoranthene                                            | mg/l     | 0.00001                                       | 0.0000063                   | 13                | <0.00001      | 0.00014       | 2                     | TP02, 1.00-1.20m; IP05, 0.60-0.80m                   |           |  | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00014    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Pyrene                                                  | mg/l     | 0.00001                                       | N/A                         | 13                | <0.00001      | 0.00008       | 0                     |                                                      |           |  | <0.00001   | 0.00003    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00008    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Benzo(a)anthracene                                      | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00011       | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00011    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Chrysene                                                | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00005       | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Benzo(b)fluoranthene                                    | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.0001        | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.0001     | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Benzo(k)fluoranthene                                    | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | 0.00003       | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00003    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Benzo(a)pyrene                                          | mg/l     | 0.00001                                       | 0.00000017                  | 13                | <0.00001      | 0.00005       | 1                     | IP05, 0.60-0.80m                                     |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Indeno(1,2,3-cd)pyrene                                  | mg/l     | 0.00001                                       | No WSV                      | 13                | <0.00001      | <0.00001      | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Dibenz(a,h)anthracene                                   | mg/l     | 0.00001                                       | N/A                         | 13                | <0.00001      | <0.00001      | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Benzo(ghi)perylene                                      | mg/l     | 0.00001                                       | Screen BaP only             | 13                | <0.00001      | <0.00001      | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Speciated PAHs Low level                                |          |                                               |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Coronene (low level)                                    | mg/l     | 0.00001                                       | No WSV                      | 13                | <0.00001      | <0.00001      | 0                     |                                                      |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |   |
| Total PAH                                               |          |                                               |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Total WAC-17 PAHs                                       | mg/l     | 0.00017                                       | No WSV                      | 13                | <0.00017      | 0.00138       | 0                     |                                                      |           |  | <0.00017   | 0.00056    | <0.00017   | <0.00017   | <0.00017   | <0.00017   | <0.00017   | 0.00023    | 0.00138    | <0.00017   | 0.00034    | <0.00017   | <0.00017   |   |
| Heavy Metals / Metalloids                               |          |                                               |                             |                   |               |               |                       |                                                      |           |  |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
| Arsenic (dissolved)                                     | mg/l     | 0.001                                         | 0.05                        | 13                | <0.001        | 0.0032        | 0                     |                                                      |           |  | 0.0022     | <0.001     | <0.001     | <0.001     | 0.0013     | <0.001     | <0.001     | 0.0032     | <0.001     | <0.001     | 0.0025     | <0.001     | 0.0018     |   |
| Boron (dissolved)                                       | mg/l     | 0.01                                          | No WSV                      | 13                | 0.013         | 0.026         | 0                     |                                                      |           |  | 0.018      | 0.023      | 0.026      | 0.018      | 0.022      | 0.018      | 0.023      | 0.016      | 0.015      | 0.018      | 0.018      | 0.013      | 0.023      |   |
| Cadmium (dissolved)                                     | mg/l     | 0.00008                                       | 0.00008                     | 13                | <0.00008      | <0.00008      | 0                     |                                                      |           |  | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   |   |
| Chromium (hexavalent)                                   | mg/l     | 0.005                                         | 0.0034                      | 13                | <0.005        | <0.005        | 0                     |                                                      |           |  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |   |
| Chromium (dissolved)                                    | mg/l     | 0.0004                                        | See Cr VI as first pass     | 13                | 0.0011        | 0.0077        | 0                     |                                                      |           |  | 0.0012     | 0.0015     | 0.0011     | 0.0025     | 0.0012     | 0.0077     | 0.0034     | 0.0052     | 0.0014     | 0.0066     | 0.0047     | 0.0015     | 0.0044     |   |
| Copper (dissolved)                                      | mg/l     | 0.0007                                        | 0.047                       | 13                | 0.0094        | 0.024         | 0                     |                                                      |           |  | 0.024      | 0.011      | 0.017      | 0.014      | 0.024      | 0.011      | 0.022      | 0.0094     | 0.014      | 0.015      | 0.015      | 0.02       | 0.024      |   |
| Lead (dissolved)                                        | mg/l     | 0.001                                         | 0.00142                     | 13                | <0.001        | 0.0036        | 3                     | TP04, 0.50-0.80m; IP02, 0.20-0.40m; BH03, 0.50-0.70m |           |  | <0.001     | <0.001     | <0.001     | 0.0036     | <0.001     | 0.0026     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | 0.0019     |   |
| Mercury                                                 | mg/l     | 0.000007                                      | 0.00007                     | 13                | <0.000007     | 1.41E-05      | 0                     |                                                      |           |  | <0.000007  | <0.000007  | <0.000007  | <0.000007  | 0.0000081  | <0.000007  | <0.000007  | <0.000007  | <0.000007  |            |            |            |            |   |

| Assessment Criteria :                                   |          | Drinking Water Standard England and Wales/WHO |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
|---------------------------------------------------------|----------|-----------------------------------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|--------------------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|----------|--|
| CaCO (mg/l):                                            |          | pH                                            |                             | 7.13              |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Calcium (mg/l):                                         |          | 44.40                                         |                             | DOC (mg/l)        |               | 1.18          |                       | Catchment area:          |           |            |            |            |            |            |            |            |            |            |            |            |            | Usk        |          |          |  |
| Constituents                                            | Unit     | Limit of Detection                            | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences | Locations of Exceedences | Location  |            | TP01       | TP02       | TP03       | TP04       | TP05       | IP02       | IP03       | IP04       | IP05       | IP06       | BH01       | BH02       | BH03     |          |  |
|                                                         |          |                                               |                             |                   |               |               |                       |                          | Sample ID | Water      | ES         | 2          | 2          | 2          | 1          | 2          | 1          | 2          | 2          | 2          | 2          |            |          |          |  |
|                                                         |          |                                               |                             |                   |               |               |                       |                          | Depth     | 0.50-0.70m | 1.00-1.20m | 0.50-0.70m | 0.50-0.80m | 0.50-0.70m | 0.20-0.40m | 0.55-0.75m | 0.10-0.30m | 0.60-0.80m | 0.50-0.60m | 0.50-0.70m | 0.50-0.70m |            |          |          |  |
|                                                         |          |                                               |                             |                   |               |               |                       |                          | Date      | 23/10/2024 | 21/10/2024 | 22/10/2024 | 23/10/2024 | 22/10/2024 | 22/10/2024 | 22/10/2024 | 23/10/2024 | 23/10/2024 | 22/10/2024 | 21/10/2024 | 23/10/2024 | 25/10/2024 |          |          |  |
|                                                         |          |                                               |                             |                   |               |               |                       |                          | Strata    | Zone       |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| pH (automated)                                          | pH Units | N/A                                           | No WSV                      | 13                | 6.6           | 7.7           | 0                     |                          |           | 6.7        | 7.2        | 7.5        | 6.8        | 7.3        | 7.3        | 7.1        | 7.7        | 7.4        | 6.9        | 6.6        | 6.8        | 7.5        |          |          |  |
| Total Cyanide (Low Level 1 µg/l)                        | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                          |           | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |          |          |  |
| Complex Cyanide (Low Level)                             | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                          |           | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |          |          |  |
| Free Cyanide (Low Level 1 µg/l)                         | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | <0.001        | 0                     |                          |           | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |          |          |  |
| Sulphate as SO <sub>4</sub>                             | mg/l     | 0.045                                         | No WSV                      | 13                | 0.901         | 6.05          | 0                     |                          |           | 2.91       | 2.23       | 2.03       | 1.71       | 6.05       | 1.31       | 1.28       | 1.9        | 0.901      | 1.14       | 1.54       | 1.49       | 3.29       |          |          |  |
| Sulphide                                                | mg/l     | 0.005                                         | No WSV                      | 13                | <0.005        | 0.0053        | 0                     |                          |           | <0.005     | <0.005     | 0.0053     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |          |          |  |
| Chloride                                                | mg/l     | 0.15                                          | 250                         | 13                | 0.79          | 2             | 0                     |                          |           | 2          | 1.6        | 1.2        | 1.5        | 1.5        | 1.9        | 1.4        | 1.6        | 1.5        | 1.4        | 1.2        | 1.3        | 0.79       |          |          |  |
| Ammoniacal Nitrogen as N                                | mg/l     | 0.015                                         | 0.39                        | 13                | 0.018         | 0.095         | 0                     |                          |           | 0.032      | 0.038      | 0.041      | 0.025      | 0.095      | 0.044      | 0.058      | 0.089      | 0.031      | 0.018      | 0.022      | 0.035      | 0.058      |          |          |  |
| Ammoniacal Nitrogen as NH <sub>3</sub>                  | mg/l     | 0.015                                         | No WSV                      | 13                | 0.021         | 0.12          | 0                     |                          |           | 0.039      | 0.046      | 0.049      | 0.03       | 0.12       | 0.053      | 0.071      | 0.11       | 0.038      | 0.021      | 0.027      | 0.042      | 0.07       |          |          |  |
| Ammonium - Exchangeable as NH <sub>4</sub> <sup>+</sup> | mg/l     | 0.015                                         | No WSV                      | 13                | 0.023         | 0.12          | 0                     |                          |           | 0.041      | 0.049      | 0.052      | 0.032      | 0.12       | 0.056      | 0.075      | 0.11       | 0.04       | 0.023      | 0.029      | 0.045      | 0.074      |          |          |  |
| Total Nitrogen (Kjeldahl)                               | mg/l     | 0.1                                           | No WSV                      | 13                | 0.1           | 4.3           | 0                     |                          |           | 0.3        | 0.2        | 0.8        | 0.5        | 0.2        | 0.7        | 0.5        | 0.2        | 0.2        | 4.3        | 0.3        | 0.2        | 0.1        |          |          |  |
| Nitrate as N                                            | mg/l     | 0.01                                          | No WSV                      | 13                | <0.01         | 1.03          | 0                     |                          |           | 0.27       | 0.31       | <0.01      | 0.18       | 0.51       | 0.15       | 0.16       | 0.04       | 0.12       | 0.18       | 0.44       | 0.12       | 1.03       |          |          |  |
| Nitrite as N                                            | mg/l     | 0.001                                         | No WSV                      | 13                | <0.001        | 0.036         | 0                     |                          |           | 0.0089     | 0.017      | 0.0047     | <0.001     | <0.001     | 0.007      | 0.0013     | 0.0037     | 0.0043     | 0.0072     | 0.011      | 0.036      | <0.001     |          |          |  |
| Total Phenols                                           |          |                                               |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Total Phenols (monohydric)                              | mg/l     | 0.01                                          | No WSV                      | 13                | <0.01         | <0.01         | 0                     |                          |           | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01    | <0.01    |  |
| Speciated PAHs                                          |          |                                               |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Naphthalene                                             | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00035       | 0                     |                          |           | <0.00001   | 0.00035    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00016    | 0.00024    | <0.00001   | 0.00024    | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Acenaphthylene                                          | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00009       | 0                     |                          |           | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00009    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Acenaphthene                                            | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00009       | 0                     |                          |           | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00003    | 0.00009    | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Fluorene                                                | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00015       | 0                     |                          |           | <0.00001   | 0.00006    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00015    | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Phenanthrene                                            | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00025       | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00025    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Anthracene                                              | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | <0.00001      | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Fluoranthene                                            | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00014       | 0                     |                          |           | <0.00001   | 0.00004    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00014    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Pyrene                                                  | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00008       | 0                     |                          |           | <0.00001   | 0.00003    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00008    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Benzo(a)anthracene                                      | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00011       | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00011    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Chrysene                                                | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | 0.00005       | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Benzo(b)fluoranthene                                    | mg/l     | 0.00001                                       | See PAH Sum of 4            | 13                | <0.00001      | 0.0001        | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.0001     | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Benzo(k)fluoranthene                                    | mg/l     | 0.00001                                       | See PAH Sum of 4            | 13                | <0.00001      | 0.00003       | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00003    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Benzo(a)pyrene                                          | mg/l     | 0.00001                                       | 0.00001                     | 13                | <0.00001      | 0.00005       | 1                     | IP05, 0.60-0.80m         |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | 0.00005    | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Indeno(1,2,3-cd)pyrene                                  | mg/l     | 0.00001                                       | No WSV                      | 13                | <0.00001      | <0.00001      | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Dibenzo(a,h)anthracene                                  | mg/l     | 0.00001                                       | See BaP                     | 13                | <0.00001      | <0.00001      | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Benzo(ghi)perylene                                      | mg/l     | 0.00001                                       | See PAH Sum of 4            | 13                | <0.00001      | <0.00001      | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Speciated PAHs Low level                                |          |                                               |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Coronene (low level)                                    | mg/l     | 0.00001                                       | No WSV                      | 13                | <0.00001      | <0.00001      | 0                     |                          |           | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001 | <0.00001 |  |
| Total PAH                                               |          |                                               |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Total WAC-17 PAHs                                       | mg/l     | 0.00017                                       | No WSV                      | 13                | <0.00017      | 0.00138       | 0                     |                          |           | <0.00017   | 0.00056    | <0.00017   | <0.00017   | <0.00017   | <0.00017   | <0.00017   | 0.00023    | 0.00138    | <0.00017   | 0.00034    | <0.00017   | <0.00017   | <0.00017 | <0.00017 |  |
| Heavy Metals / Metalloids                               |          |                                               |                             |                   |               |               |                       |                          |           |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |  |
| Arsenic (dissolved)                                     | mg/l     | 0.001                                         | 0.01                        | 13                | <0.001        | 0.0032        | 0                     |                          |           | 0.0022     | <0.001     | <0.001     | <0.001     | 0.0013     | <0.001     | <0.001     | 0.0032     | <0.001     | <0.001     | 0.0025     | <0.001     | 0.0018     | <0.001   | 0.0018   |  |
| Boron (dissolved)                                       | mg/l     | 0.01                                          | No WSV                      | 13                | 0.013         | 0.026         | 0                     |                          |           | 0.018      | 0.023      | 0.026      | 0.018      | 0.022      | 0.018      | 0.023      | 0.016      | 0.015      | 0.018      | 0.018      | 0.013      | 0.023      | <0.00008 | 0.00008  |  |
| Cadmium (dissolved)                                     | mg/l     | 0.00008                                       | 0.005                       | 13                | <0.00008      | <0.00008      | 0                     |                          |           | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008   | <0.00008 | <0.00008 |  |

| Assessment Criteria :                                   |          | Manual SSAC        |                             |                   |               |               |                       |                          |           |  |            |            |            |            |            |            |  |
|---------------------------------------------------------|----------|--------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|--------------------------|-----------|--|------------|------------|------------|------------|------------|------------|--|
| CaCO (mg/l):                                            |          | 0.00               | pH                          |                   | 7.13          |               |                       |                          |           |  |            |            |            |            |            |            |  |
| Calcium (mg/l):                                         |          | 44.40              | DOC (mg/l)                  |                   | 1.18          |               | Catchment area: Usk   |                          |           |  |            |            |            |            |            |            |  |
| Constituents                                            | Unit     | Limit of Detection | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences | Locations of Exceedences | Location  |  | BH01       | BH02       | BH03       | BH01       | BH02       | BH03       |  |
|                                                         |          |                    |                             |                   |               |               |                       |                          | Sample ID |  | 1          | 1          | 1          | 2          | 2          | 2          |  |
|                                                         |          |                    |                             |                   |               |               |                       |                          | Depth     |  | 3.68m      | 4.76m      | 3.92m      | 2.70m      | 2.72m      | 2.92m      |  |
|                                                         |          |                    |                             |                   |               |               |                       |                          | Date      |  | 14/11/2024 | 14/11/2024 | 14/11/2024 | 07/01/2025 | 07/01/2025 | 07/01/2025 |  |
|                                                         |          | Strata             | Zone                        |                   |               |               |                       |                          |           |  |            |            |            |            |            |            |  |
| General Inorganics                                      |          |                    |                             |                   |               |               |                       |                          |           |  |            |            |            |            |            |            |  |
| pH (L099)                                               | pH Units | N/A                | No WSV                      | 6                 | 6.4           | 6.9           | 0                     |                          |           |  | 6.9        | 6.7        | 6.9        | 6.6        | 6.4        | 6.7        |  |
| Electrical Conductivity at 20°C                         | µS/cm    | 10                 | No WSV                      | 6                 | 170           | 430           | 0                     |                          |           |  | 280        | 240        | 430        | 320        | 170        | 400        |  |
| Total Cyanide (Low Level 1 µg/l)                        | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| Complex Cyanide (Low Level)                             | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| Free Cyanide (Low Level 1 µg/l)                         | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| Sulphate as SO <sub>4</sub>                             | mg/l     | 0.045              | No WSV                      | 6                 | 8.82          | 19.6          | 0                     |                          |           |  | 12.6       | 19.3       | 19.6       | 13.8       | 10.1       | 8.82       |  |
| Sulphide                                                | mg/l     | 0.005              | No WSV                      | 6                 | <0.005        | <0.005        | 0                     |                          |           |  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |  |
| Chloride                                                | mg/l     | 0.15               | 250                         | 6                 | 6.2           | 16            | 0                     |                          |           |  | 12         | 16         | 9.1        | 12         | 12         | 6.2        |  |
| Ammoniacal Nitrogen as N                                | mg/l     | 0.015              | 0.2                         | 6                 | <0.015        | <0.015        | 0                     |                          |           |  | <0.015     | <0.015     | <0.015     | <0.015     | <0.015     | <0.015     |  |
| Ammoniacal Nitrogen as NH <sub>3</sub>                  | mg/l     | 0.015              | No WSV                      | 6                 | <0.015        | <0.015        | 0                     |                          |           |  | <0.015     | <0.015     | <0.015     | <0.015     | <0.015     | <0.015     |  |
| Ammonium - Exchangeable as NH <sub>4</sub> <sup>+</sup> | mg/l     | 0.015              | No WSV                      | 6                 | <0.015        | <15           | 0                     |                          |           |  | <0.015     | <0.015     | <15        | <0.015     | <0.015     | <0.015     |  |
| Total Nitrogen (Kjeldahl)                               | mg/l     | 0.1                | No WSV                      | 6                 | 0.2           | 1             | 0                     |                          |           |  | 1          | 0.5        | 0.2        | 0.4        | 0.2        | 0.2        |  |
| Nitrate as N                                            | mg/l     | 0.01               | No WSV                      | 6                 | 0.21          | 1.46          | 0                     |                          |           |  | 1.01       | 0.32       | 0.22       | 1.46       | 0.21       | 0.28       |  |
| Nitrite as N                                            | mg/l     | 1                  | No WSV                      | 6                 | <1            | 7.2           | 0                     |                          |           |  | 7.2        | 5.9        | 1.5        | <1         | <1         | 3.5        |  |
| Chemical Oxygen Demand (Total)                          | mg/l     | 2                  | No WSV                      | 6                 | 4             | 30            | 0                     |                          |           |  | 30         | 11         | 5.1        | 8.7        | 6.5        | 4          |  |
| BOD (Biochemical Oxygen Demand) (Total) - PL (L086B)    | mg/l     | 1                  | No WSV                      | 6                 | <1            | 6.1           | 0                     |                          |           |  | 4.8        | 3.4        | 6.1        | <1         | <1         | <1         |  |
| Total Phenols (Monohydric) Low Level                    | mg/l     | 0.001              | No WSV                      | 6                 | 0.0013        | 0.0029        | 0                     |                          |           |  | 0.0013     | 0.0013     | 0.0014     | 0.0026     | 0.0029     | 0.0026     |  |
| Naphthalene                                             | mg/l     | 0.00001            | 0.002                       | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Acenaphthylene                                          | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Acenaphthene                                            | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Fluorene                                                | mg/l     | 0.00001            | N/A                         | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Phenanthrene                                            | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Anthracene                                              | mg/l     | 0.00001            | 0.0001                      | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Fluoranthene                                            | mg/l     | 0.00001            | 0.0000063                   | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Pyrene                                                  | mg/l     | 0.00001            | N/A                         | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Benzo(a)anthracene                                      | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Chrysene                                                | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Benzo(b)fluoranthene                                    | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Benzo(k)fluoranthene                                    | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Benzo(a)pyrene                                          | mg/l     | 0.00001            | 0.00000017                  | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Indeno(1,2,3-cd)pyrene                                  | mg/l     | 0.00001            | No WSV                      | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Dibenz(a,h)anthracene                                   | mg/l     | 0.00001            | N/A                         | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Benzo(ghi)perylene                                      | mg/l     | 0.00001            | Screen BaP only             | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Coronene                                                | mg/l     | 0.00001            | No WSV                      | 6                 | <0.00001      | <0.00001      | 0                     |                          |           |  | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   | <0.00001   |  |
| Total WAC-17 PAHs                                       | mg/l     | 0.00017            | No WSV                      | 6                 | <0.00017      | <0.00017      | 0                     |                          |           |  | <0.00017   | <0.00017   | <0.00017   | <0.00017   | <0.00017   | <0.00017   |  |
| Arsenic (dissolved)                                     | mg/l     | 0.00015            | 0.05                        | 6                 | 0.0003        | 0.00171       | 0                     |                          |           |  | 0.00032    | 0.00033    | 0.00171    | 0.00033    | 0.0003     | 0.00055    |  |
| Cadmium (dissolved)                                     | mg/l     | 0.00002            | 0.00008                     | 6                 | <0.00002      | 0.00004       | 0                     |                          |           |  | 0.00004    | 0.00004    | 0.00004    | <0.00002   | <0.00002   | 0.00004    |  |
| Chromium (total)                                        | mg/l     | 0.0002             | See Cr VI as first pass     | 6                 | 0.0004        | 0.0014        | 0                     |                          |           |  | 0.0004     | 0.0014     | 0.0006     | 0.0011     | 0.0004     | 0.0004     |  |
| Copper (dissolved)                                      | mg/l     | 0.0005             | 0.047                       | 6                 | 0.0012        | 0.0044        | 0                     |                          |           |  | 0.0033     | 0.0012     | 0.0017     | 0.0044     | 0.0027     | 0.0034     |  |
| Lead (dissolved)                                        | mg/l     | 0.0002             | 0.00142                     | 6                 | <0.0002       | <0.0002       | 0                     |                          |           |  | <0.0002    | <0.0002    | <0.0002    | <0.0002    | <0.0002    | <0.0002    |  |
| Mercury (dissolved)                                     | mg/l     | 0.00005            | 0.00007                     | 6                 | <0.00005      | <0.00005      | 0                     |                          |           |  | <0.00005   | <0.00005   | <0.00005   | <0.00005   | <0.00005   | <0.00005   |  |
| Nickel (dissolved)                                      | mg/l     | 0.0005             | 0.01222                     | 6                 | 0.0012        | 0.0037        | 0                     |                          |           |  | 0.0022     | 0.0037     | 0.0031     | 0.0012     | 0.0015     | 0.0031     |  |
| Selenium (dissolved)                                    | mg/l     | 0.0006             | N/A                         | 6                 | <0.0006       | 0.0024        | 0                     |                          |           |  | <0.0006    | <0.0006    | 0.0024     | 0.0014     | <0.0006    | 0.0021     |  |
| Zinc (dissolved)                                        | mg/l     | 0.0005             | 0.01777                     | 6                 | 0.002         | 0.0087        | 0                     |                          |           |  | 0.0035     | 0.002      | 0.0024     | 0.0054     | 0.0043     | 0.0087     |  |
| Boron (dissolved)                                       | mg/l     | 0.01               | No WSV                      | 6                 | 0.014         | 0.036         | 0                     |                          |           |  | 0.024      | 0.026      | 0.036      | 0.019      | 0.014      | 0.031      |  |
| Calcium (dissolved)                                     | mg/l     | 0.012              | N/A                         | 6                 | 19            | 71            | 0                     |                          |           |  | 38         | 24         | 65         | 57         | 19         | 71         |  |
| Chromium (hexavalent)                                   | mg/l     | 0.005              | 0.0034                      | 6                 | <0.005        | <0.005        | 0                     |                          |           |  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |  |
| TPH - Aliphatic >EC5 - EC6 HS 1D AL                     | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC6 - EC8 HS 1D AL                     | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC8 - EC10 HS 1D AL                    | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC10 - EC12 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC12 - EC16 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC16 - EC21 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC21 - EC35 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC5 - EC35 HS+EH 1D AL MS              | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC35 - EC40 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC35 - EC44 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC40 - EC44 EH 1D AL MS                | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aliphatic >EC5 - EC44 HS+EH 1D AL MS              | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |  |
| TPH - Aromatic >EC5 - EC7 HS 1D AR                      | mg/l     | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                          |           |  | <0.00      |            |            |            |            |            |  |



| Assessment Criteria :                     |      | Manual SSAC        |                             |                   |               |               |                       |                 |                          |           |        |            |            |            |            |            |            |
|-------------------------------------------|------|--------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|-----------------|--------------------------|-----------|--------|------------|------------|------------|------------|------------|------------|
| CaCO (mg/l):                              |      | 0.00               |                             | pH                |               | 7.13          |                       |                 |                          |           |        |            |            |            |            |            |            |
| Calcium (mg/l):                           |      | 44.40              |                             | DOC (mg/l)        |               | 1.18          |                       | Catchment area: |                          | Usk       |        |            |            |            |            |            |            |
| Constituents                              | Unit | Limit of Detection | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences |                 | Locations of Exceedences | Location  |        | BH01       | BH02       | BH03       | BH01       | BH02       | BH03       |
|                                           |      |                    |                             |                   |               |               |                       |                 |                          | Sample ID |        | 1          | 1          | 1          | 2          | 2          | 2          |
|                                           |      |                    |                             |                   |               |               |                       |                 |                          | Depth     |        | 3.68m      | 4.76m      | 3.92m      | 2.70m      | 2.72m      | 2.92m      |
|                                           |      |                    |                             |                   |               |               |                       |                 |                          | Date      |        | 14/11/2024 | 14/11/2024 | 14/11/2024 | 07/01/2025 | 07/01/2025 | 07/01/2025 |
|                                           |      |                    |                             |                   |               |               |                       |                 |                          | Strata    |        |            |            |            |            |            |            |
|                                           |      |                    |                             |                   |               |               |                       |                 | Zone                     |           |        |            |            |            |            |            |            |
| TPH - Aromatic >EC5 - EC35 HS+EH 1D AR MS | mg/l | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          |           | <0.001 | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| TPH - Aromatic >EC35 - EC40 EH 1D AR MS   | mg/l | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          |           | <0.001 | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| TPH - Aromatic >EC35 - EC44 EH 1D AR MS   | mg/l | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          |           | <0.001 | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| TPH - Aromatic >EC40 - EC44 EH 1D AR MS   | mg/l | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          |           | <0.001 | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| TPH - Aromatic >EC5 - EC44 HS+EH 1D AR MS | mg/l | 0.001              | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          |           | <0.001 | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| MTBE (Methyl Tertiary Butyl Ether)        | mg/l | 0.003              | No WSV                      | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |
| Benzene                                   | mg/l | 0.003              | 0.01                        | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |
| Toluene                                   | mg/l | 0.003              | 0.074                       | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |
| Ethylbenzene                              | mg/l | 0.003              | 0.02                        | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |
| p & m-xylene                              | mg/l | 0.003              | See Xylenes (total)         | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |
| o-xylene                                  | mg/l | 0.003              | See Xylenes (total)         | 6                 | <0.003        | <0.003        | 0                     |                 |                          |           | <0.003 | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     | <0.003     |

| Assessment Criteria :                                   |          | Drinking Water Standard England and Wales/WHO |                             |                   |               |               |                       |  |                          |  |          |          |          |          |          |          |  |  |
|---------------------------------------------------------|----------|-----------------------------------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|--|--------------------------|--|----------|----------|----------|----------|----------|----------|--|--|
| CaCO (mg/l):                                            |          | 0.00                                          | pH                          |                   | 7.13          |               |                       |  |                          |  |          |          |          |          |          |          |  |  |
| Calcium (mg/l):                                         |          | 44.40                                         | DOC (mg/l)                  |                   | 1.18          |               | Catchment area:       |  | Drinking Water Standard  |  |          |          |          |          |          |          |  |  |
| Constituents                                            | Unit     | Limit of Detection                            | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences |  | Locations of Exceedences |  |          |          |          |          |          |          |  |  |
|                                                         |          |                                               |                             |                   |               |               |                       |  | Location                 |  |          |          |          |          |          |          |  |  |
|                                                         |          |                                               |                             |                   |               |               |                       |  | Sample ID                |  |          |          |          |          |          |          |  |  |
|                                                         |          |                                               |                             |                   |               |               |                       |  | Depth                    |  |          |          |          |          |          |          |  |  |
|                                                         |          |                                               |                             |                   |               |               |                       |  | Date                     |  |          |          |          |          |          |          |  |  |
| Strata                                                  |          |                                               |                             |                   |               |               |                       |  |                          |  |          |          |          |          |          |          |  |  |
|                                                         |          |                                               |                             |                   |               |               | Zone                  |  |                          |  |          |          |          |          |          |          |  |  |
| General Inorganics                                      |          |                                               |                             |                   |               |               |                       |  |                          |  |          |          |          |          |          |          |  |  |
| pH (L099)                                               | pH Units | N/A                                           | No WSV                      | 6                 | 6.4           | 6.9           | 0                     |  |                          |  | 6.9      | 6.7      | 6.9      | 6.6      | 6.4      | 6.7      |  |  |
| Electrical Conductivity at 20°C                         | µS/cm    | 10                                            | No WSV                      | 6                 | 170           | 430           | 0                     |  |                          |  | 280      | 240      | 430      | 320      | 170      | 400      |  |  |
| Total Cyanide (Low Level 1 µg/l)                        | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| Complex Cyanide (Low Level)                             | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| Free Cyanide (Low Level 1 µg/l)                         | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| Sulphate as SO <sub>4</sub>                             | mg/l     | 0.045                                         | No WSV                      | 6                 | 8.82          | 19.6          | 0                     |  |                          |  | 12.6     | 19.3     | 19.6     | 13.8     | 10.1     | 8.82     |  |  |
| Sulphide                                                | mg/l     | 0.005                                         | No WSV                      | 6                 | <0.005        | <0.005        | 0                     |  |                          |  | <0.005   | <0.005   | <0.005   | <0.005   | <0.005   | <0.005   |  |  |
| Chloride                                                | mg/l     | 0.15                                          | 250                         | 6                 | 6.2           | 16            | 0                     |  |                          |  | 12       | 16       | 9.1      | 12       | 12       | 6.2      |  |  |
| Ammoniacal Nitrogen as N                                | mg/l     | 0.015                                         | 0.39                        | 6                 | <0.015        | <0.015        | 0                     |  |                          |  | <0.015   | <0.015   | <0.015   | <0.015   | <0.015   | <0.015   |  |  |
| Ammoniacal Nitrogen as NH <sub>3</sub>                  | mg/l     | 0.015                                         | No WSV                      | 6                 | <0.015        | <0.015        | 0                     |  |                          |  | <0.015   | <0.015   | <0.015   | <0.015   | <0.015   | <0.015   |  |  |
| Ammonium - Exchangeable as NH <sub>4</sub> <sup>+</sup> | mg/l     | 0.015                                         | No WSV                      | 6                 | <0.015        | <15           | 0                     |  |                          |  | <0.015   | <0.015   | <15      | <0.015   | <0.015   | <0.015   |  |  |
| Total Nitrogen (Kjeldahl)                               | mg/l     | 0.1                                           | No WSV                      | 6                 | 0.2           | 1             | 0                     |  |                          |  | 1        | 0.5      | 0.2      | 0.4      | 0.2      | 0.2      |  |  |
| Nitrate as N                                            | mg/l     | 0.01                                          | No WSV                      | 6                 | 0.21          | 1.46          | 0                     |  |                          |  | 1.01     | 0.32     | 0.22     | 1.46     | 0.21     | 0.28     |  |  |
| Nitrite as N                                            | mg/l     | 1                                             | No WSV                      | 6                 | <1            | 7.2           | 0                     |  |                          |  | 7.2      | 5.9      | 1.5      | <1       | <1       | 3.5      |  |  |
| Chemical Oxygen Demand (Total)                          | mg/l     | 2                                             | No WSV                      | 6                 | 4             | 30            | 0                     |  |                          |  | 30       | 11       | 5.1      | 8.7      | 6.5      | 4        |  |  |
| BOD (Biochemical Oxygen Demand) (Total) - PL (L086B)    | mg/l     | 1                                             | No WSV                      | 6                 | <1            | 6.1           | 0                     |  |                          |  | 4.8      | 3.4      | 6.1      | <1       | <1       | <1       |  |  |
| Total Phenols (Monohydric) Low Level                    | mg/l     | 0.001                                         | No WSV                      | 6                 | 0.0013        | 0.0029        | 0                     |  |                          |  | 0.0013   | 0.0013   | 0.0014   | 0.0026   | 0.0029   | 0.0026   |  |  |
| Naphthalene                                             | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Acenaphthylene                                          | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Acenaphthene                                            | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Fluorene                                                | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Phenanthrene                                            | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Anthracene                                              | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Fluoranthene                                            | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Pyrene                                                  | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Benzo(a)anthracene                                      | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Chrysene                                                | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Benzo(b)fluoranthene                                    | mg/l     | 0.00001                                       | See PAH Sum of 4            | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Benzo(k)fluoranthene                                    | mg/l     | 0.00001                                       | See PAH Sum of 4            | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Benzo(a)pyrene                                          | mg/l     | 0.00001                                       | 0.00001                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Indeno(1,2,3-cd)pyrene                                  | mg/l     | 0.00001                                       | No WSV                      | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Dibenz(a,h)anthracene                                   | mg/l     | 0.00001                                       | See BaP                     | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Benzo(ghi)perylene                                      | mg/l     | 0.00001                                       | See PAH Sum of 4            | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Coronene                                                | mg/l     | 0.00001                                       | No WSV                      | 6                 | <0.00001      | <0.00001      | 0                     |  |                          |  | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |  |  |
| Total WAC-17 PAHs                                       | mg/l     | 0.00017                                       | No WSV                      | 6                 | <0.00017      | <0.00017      | 0                     |  |                          |  | <0.00017 | <0.00017 | <0.00017 | <0.00017 | <0.00017 | <0.00017 |  |  |
| Arsenic (dissolved)                                     | mg/l     | 0.00015                                       | 0.01                        | 6                 | 0.0003        | 0.00171       | 0                     |  |                          |  | 0.00032  | 0.00033  | 0.00171  | 0.00033  | 0.0003   | 0.00055  |  |  |
| Cadmium (dissolved)                                     | mg/l     | 0.00002                                       | 0.005                       | 6                 | <0.00002      | 0.00004       | 0                     |  |                          |  | 0.00004  | 0.00004  | 0.00004  | <0.00002 | <0.00002 | 0.00004  |  |  |
| Chromium (total)                                        | mg/l     | 0.0002                                        | 0.05                        | 6                 | 0.0004        | 0.0014        | 0                     |  |                          |  | 0.0004   | 0.0014   | 0.0006   | 0.0011   | 0.0004   | 0.0004   |  |  |
| Copper (dissolved)                                      | mg/l     | 0.0005                                        | 2                           | 6                 | 0.0012        | 0.0044        | 0                     |  |                          |  | 0.0033   | 0.0012   | 0.0017   | 0.0044   | 0.0027   | 0.0034   |  |  |
| Lead (dissolved)                                        | mg/l     | 0.0002                                        | 0.01                        | 6                 | <0.0002       | <0.0002       | 0                     |  |                          |  | <0.0002  | <0.0002  | <0.0002  | <0.0002  | <0.0002  | <0.0002  |  |  |
| Mercury (dissolved)                                     | mg/l     | 0.00005                                       | 0.001                       | 6                 | <0.00005      | <0.00005      | 0                     |  |                          |  | <0.00005 | <0.00005 | <0.00005 | <0.00005 | <0.00005 | <0.00005 |  |  |
| Nickel (dissolved)                                      | mg/l     | 0.0005                                        | 0.02                        | 6                 | 0.0012        | 0.0037        | 0                     |  |                          |  | 0.0022   | 0.0037   | 0.0031   | 0.0012   | 0.0015   | 0.0031   |  |  |
| Selenium (dissolved)                                    | mg/l     | 0.0006                                        | 0.01                        | 6                 | <0.0006       | 0.0024        | 0                     |  |                          |  | <0.0006  | <0.0006  | 0.0024   | 0.0014   | <0.0006  | 0.0021   |  |  |
| Zinc (dissolved)                                        | mg/l     | 0.0005                                        | 3                           | 6                 | 0.002         | 0.0087        | 0                     |  |                          |  | 0.0035   | 0.002    | 0.0024   | 0.0054   | 0.0043   | 0.0087   |  |  |
| Boron (dissolved)                                       | mg/l     | 0.01                                          | No WSV                      | 6                 | 0.014         | 0.036         | 0                     |  |                          |  | 0.024    | 0.026    | 0.036    | 0.019    | 0.014    | 0.031    |  |  |
| Calcium (dissolved)                                     | mg/l     | 0.012                                         | N/A                         | 6                 | 19            | 71            | 0                     |  |                          |  | 38       | 24       | 65       | 57       | 19       | 71       |  |  |
| Chromium (hexavalent)                                   | mg/l     | 0.005                                         | See Total Chromium          | 6                 | <0.005        | <0.005        | 0                     |  |                          |  | <0.005   | <0.005   | <0.005   | <0.005   | <0.005   | <0.005   |  |  |
| TPH - Aliphatic >EC5 - EC6 HS 1D AL                     | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC6 - EC8 HS 1D AL                     | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC8 - EC10 HS 1D AL                    | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC10 - EC12 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC12 - EC16 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC16 - EC21 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC21 - EC35 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC5 - EC35 HS+EH 1D AL MS              | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC35 - EC40 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC35 - EC44 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC40 - EC44 EH 1D AL MS                | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aliphatic >EC5 - EC44 HS+EH 1D AL MS              | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aromatic >EC5 - EC7 HS 1D AR                      | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aromatic >EC7 - EC8 HS 1D AR                      | mg/l     | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |  |                          |  | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   | <0.001   |  |  |
| TPH - Aromatic >EC8 - EC10 HS 1D AR                     | mg/l     |                                               |                             |                   |               |               |                       |  |                          |  |          |          |          |          |          |          |  |  |



| Assessment Criteria :                     |      | Drinking Water Standard England and Wales/WHO |                             |                   |               |               |                       |                 |                          |                         |        |        |        |        |        |  |  |  |  |
|-------------------------------------------|------|-----------------------------------------------|-----------------------------|-------------------|---------------|---------------|-----------------------|-----------------|--------------------------|-------------------------|--------|--------|--------|--------|--------|--|--|--|--|
| CaCO (mg/l):                              |      | 0.00                                          |                             | pH                |               | 7.13          |                       |                 |                          |                         |        |        |        |        |        |  |  |  |  |
| Calcium (mg/l):                           |      | 44.40                                         |                             | DOC (mg/l)        |               | 1.18          |                       | Catchment area: |                          | Drinking Water Standard |        |        |        |        |        |  |  |  |  |
| Constituents                              | Unit | Limit of Detection                            | Generic Assessment Criteria | Number of Samples | Minimum Value | Maximum Value | Number of Exceedences |                 | Locations of Exceedences | Location                |        |        |        |        |        |  |  |  |  |
|                                           |      |                                               |                             |                   |               |               |                       |                 |                          | Sample ID               |        |        |        |        |        |  |  |  |  |
|                                           |      |                                               |                             |                   |               |               |                       |                 |                          | Depth                   |        |        |        |        |        |  |  |  |  |
|                                           |      |                                               |                             |                   |               |               |                       |                 |                          | Date                    |        |        |        |        |        |  |  |  |  |
|                                           |      |                                               |                             |                   |               |               |                       |                 |                          | Strata                  |        |        |        |        |        |  |  |  |  |
| Zone                                      |      |                                               |                             |                   |               |               |                       |                 |                          |                         |        |        |        |        |        |  |  |  |  |
| TPH - Aromatic >EC35 - EC44 EH 1D AR MS   | mg/l | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          | <0.001                  | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |  |  |  |  |
| TPH - Aromatic >EC40 - EC44 EH 1D AR MS   | mg/l | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          | <0.001                  | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |  |  |  |  |
| TPH - Aromatic >EC5 - EC44 HS+EH 1D AR MS | mg/l | 0.001                                         | No WSV                      | 6                 | <0.001        | <0.001        | 0                     |                 |                          | <0.001                  | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |  |  |  |  |
| MTBE (Methyl Tertiary Butyl Ether)        | mg/l | 0.003                                         | No WSV                      | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |
| Benzene                                   | mg/l | 0.003                                         | 0.001                       | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |
| Toluene                                   | mg/l | 0.003                                         | 0.7                         | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |
| Ethylbenzene                              | mg/l | 0.003                                         | 0.3                         | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |
| p & m-xylene                              | mg/l | 0.003                                         | See Xylenes (total)         | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |
| o-xylene                                  | mg/l | 0.003                                         | See Xylenes (total)         | 6                 | <0.003        | <0.003        | 0                     |                 |                          | <0.003                  | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |  |  |  |  |

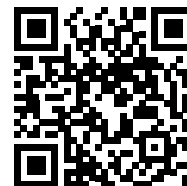
# Appendix G. HazWasteOnline Report



# 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)



PCOIN-8SSBC-IZAC6

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

## Job name

Vantage Data Centers

## Description/Comments

- 1) Elevated Calcium in TP03 (0.50 m) , TP03 (0.50 m),TP02 (0.20 m),IP04 (0.10 m) and BH03 (050 m). Further assessment of calcium may be required by future waste producers.
- 2) i2 Analytical report reference: 24-049489, 24-049739, 24-049741, 24-050166, 24-050308, 24-050309, 24-050310, 24-050315
- 3) BTEX, MTBE, Phenols and PCBs results were reported to be less than the limit of detection and hence were not considered for the assessment
- 4) Final EWC code will be defined by the waste producer depending on the nature of the arisings.

## Project

Vantage Data Centers

## Site

Vantage Data Centers, 150 MVA Substation

## Classified by

Name: **Siddharthan T**  
 Date: **25 Nov 2024 10:52 GMT**  
 Telephone: **+91 9994887121**  
 Company: **Atkins Réalis**  
**9th floor, Safina Towers 3, Ali Asker Road**  
**Vasanth Nagar, Bengaluru**  
**Karnataka**  
**560052**

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**  
 03 Aug 2023

Next 3 year Refresher due by Aug 2026

## Purpose of classification

2 - Material Characterisation

## Address of the waste

Vantage 150MVA Substation N Lake Dr, Celtic Way, Coedkernew, Duffryn, Newport

**Post Code** NP10 8DE

## SIC for the process giving rise to the waste

42990 Construction of other civil engineering projects n.e.c.

## Description of industry/producer giving rise to the waste

Construction of new substation

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

Construction of new substation

## Description of the waste

Made Ground

## Job summary

| #  | Sample name           | Depth [m] | Classification | Result | Hazard properties | WAC Results |       |           | Page |
|----|-----------------------|-----------|----------------|--------|-------------------|-------------|-------|-----------|------|
|    |                       |           |                |        |                   | Inert       | SNRHW | Hazardous |      |
| 1  | TP03-2-22102024-0.50  |           | Hazardous      |        | HP 12             | -           | -     | -         | 3    |
| 2  | TP05-2-22102024-0.50  |           | Hazardous      |        | HP 12             | -           | -     | -         | 5    |
| 3  | IP02-1-22102024-0.20  |           | Non Hazardous  |        |                   | -           | -     | -         | 7    |
| 4  | IP03-2-22102024-0.55  |           | Non Hazardous  |        |                   | -           | -     | -         | 10   |
| 5  | IP06-2-22102024-0.50  |           | Non Hazardous  |        |                   | -           | -     | -         | 12   |
| 6  | TP04-1-23102024-0.10  |           | Non Hazardous  |        |                   | -           | -     | -         | 14   |
| 7  | TP04-2-23102024-0.50  |           | Non Hazardous  |        |                   | -           | -     | -         | 16   |
| 8  | TP02-ES-21102024-0.20 |           | Hazardous      |        | HP 12             | -           | -     | -         | 18   |
| 9  | TP02-ES-21102024-1.00 |           | Non Hazardous  |        |                   | -           | -     | -         | 21   |
| 10 | BH01-ES-21102024-0.50 |           | Non Hazardous  |        |                   | -           | -     | -         | 23   |
| 11 | BH02-2-23102024-0.50  |           | Non Hazardous  |        |                   | -           | -     | -         | 25   |
| 12 | BH03-2-25102024-0.50  |           | Hazardous      |        | HP 12             | -           | -     | -         | 27   |
| 13 | TP01--23102024-0.50   |           | Non Hazardous  |        |                   | Fail        | Pass  | N/A       | 29   |
| 14 | TP03--24102024-1.00   |           | Non Hazardous  |        |                   | -           | -     | -         | 32   |
| 15 | TP05--24102024-2.80   |           | Non Hazardous  |        |                   | -           | -     | -         | 34   |
| 16 | IP04-1-23102024-0.10  |           | Hazardous      |        | HP 12             | -           | -     | -         | 36   |
| 17 | IP05-2-23102024-0.60  |           | Non Hazardous  |        |                   | -           | -     | -         | 38   |
| 18 | TP01-0.50             |           | Non Hazardous  |        |                   | Fail        | Pass  | N/A       | 40   |

## Related documents

| #  | Name                  | Description                                        |
|----|-----------------------|----------------------------------------------------|
| 1  | 24-049489.batch.batch | i2 Analytical .batch file used to populate the Job |
| 2  | 24-049489_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 3  | 24-049739_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 4  | 24-049741_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 5  | 24-050166_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 6  | 24-050308_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 7  | 24-050309_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 8  | 24-050310_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 9  | 24-050315_HWOL.hwol   | i2 Analytical .hwol file used to populate the Job  |
| 10 | Atkins 2022 RH        | waste stream template used to create this Job      |

## WAC results

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate the samples in this Job: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

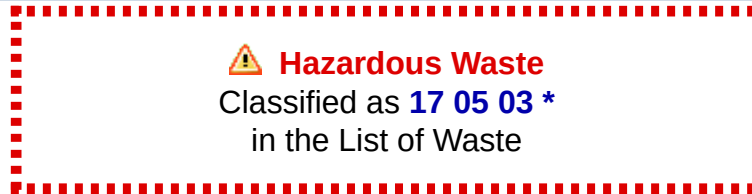
## Report

Created by: Siddharthan T

Created date: 25 Nov 2024 10:52 GMT

| Appendices                                                                 | Page |
|----------------------------------------------------------------------------|------|
| <a href="#">Appendix A: Classifier defined and non GB MCL determinands</a> | 43   |
| <a href="#">Appendix B: Rationale for selection of metal species</a>       | 44   |
| <a href="#">Appendix C: Version</a>                                        | 45   |

Classification of sample: TP03-2-22102024-0.50



### Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>TP03-2-22102024-0.50</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>16%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 03 * (Soil and stones containing hazardous substances)                              |

### Hazard properties

**HP 12: Release of an acute toxic gas** "waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid"

Hazard Statements hit:

**EUH031** "Contact with acids liberates toxic gas"

Because of determinand:

calcium sulphide: (compound conc.: 0.363%)

### Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

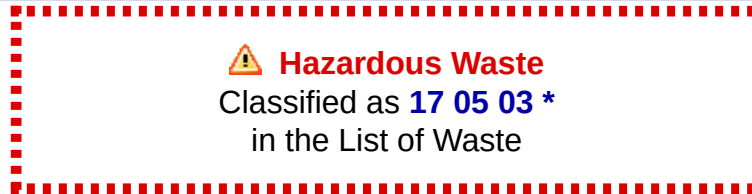
| #  | Determinand                                                                                                                                             |                                                                  |                                                                     | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                     | EC Number                                                        | CAS Number                                                          |          |                   |       |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                      |                                                                  |                                                                     |          | 7.4               | pH    |              | 7.4            | pH    | 7.4 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            |                                                                  |                                                                     |          | 8.3               | mg/kg | 1.32         | 9.205          | mg/kg | 0.000921 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               |                                                                  |                                                                     |          | 0.6               | mg/kg | 5.719        | 2.882          | mg/kg | 0.000288 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                            | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                            |                                                                  |                                                                     |          | 2400              | mg/kg | 1.8          | 3628.931       | mg/kg | 0.363 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                            | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |                                                                  |                                                                     |          | 28                | mg/kg | 1.462        | 40.924         | mg/kg | 0.00409 %            |            |                |
|    |                                                                                                                                                         | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |                                                                  |                                                                     |          | 12                | mg/kg | 1.126        | 11.349         | mg/kg | 0.00113 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      |                                                                  |                                                                     | 1        | 21                | mg/kg |              | 17.64          | mg/kg | 0.00176 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                          |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         |                                                                  |                                                                     |          | 18                | mg/kg | 2.022        | 30.579         | mg/kg | 0.00306 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                            | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |

| #      | 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 |          |                   |              |                |             |                      |            |                |
| 12     | selenium { nickel selenate }                                                                                                                                                           |           |            |          | <1 mg/kg          | 2.554        | <2.554 mg/kg   | <0.000255 % |                      |            | <LOD           |
|        | 028-031-00-5                                                                                                                                                                           | 239-125-2 | 15060-62-5 |          |                   |              |                |             |                      |            |                |
| 13     | zinc { trizinc bis(orthophosphate) }                                                                                                                                                   |           |            |          | 55 mg/kg          | 1.968        | 90.94 mg/kg    | 0.00909 %   |                      | ✓          |                |
|        | 030-011-00-6                                                                                                                                                                           | 231-944-3 | 7779-90-0  |          |                   |              |                |             |                      |            |                |
| 14     | sulfur { sulfur }                                                                                                                                                                      |           |            |          | 350 mg/kg         |              | 294 mg/kg      | 0.0294 %    |                      | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6 | 7704-34-9  |          |                   |              |                |             |                      |            |                |
| 15     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %    |                      |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |             |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 % |                      |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |             |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |             |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |             |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |             |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |             |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |             |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |             |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |             |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |             |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |             |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |             |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |             |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |             |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |             |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |             |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |             |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |             |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |             |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                |             | 0.416 %              |            |                |

Key

|             |                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
|             | User supplied data                                                                                                              |
|             | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|             | Hazardous result                                                                                                                |
|             | 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: TP05-2-22102024-0.50



### Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>TP05-2-22102024-0.50</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>14%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 03 * (Soil and stones containing hazardous substances)                              |

### Hazard properties

**HP 12: Release of an acute toxic gas** "waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid"

Hazard Statements hit:

**EUH031** "Contact with acids liberates toxic gas"

Because of determinand:

calcium sulphide: (compound conc.: 0.387%)

### Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

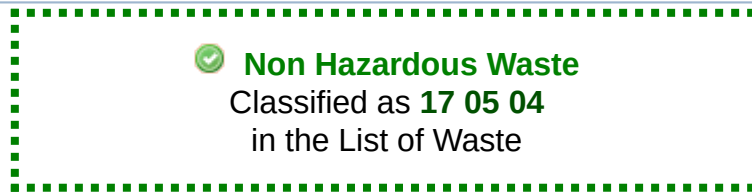
| #  | Determinand                                                                                                                                             |                                                                  |                                                                     | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                     | EC Number                                                        | CAS Number                                                          |          |                   |       |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                      |                                                                  |                                                                     |          | 7.2               | pH    |              | 7.2            | pH    | 7.2 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            |                                                                  |                                                                     |          | 8.6               | mg/kg | 1.32         | 9.765          | mg/kg | 0.000977 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               |                                                                  |                                                                     |          | 0.4               | mg/kg | 5.719        | 1.967          | mg/kg | 0.000197 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                            | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                            |                                                                  |                                                                     |          | 2500              | mg/kg | 1.8          | 3870.139       | mg/kg | 0.387 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                            | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |                                                                  |                                                                     |          | 22                | mg/kg | 1.462        | 32.154         | mg/kg | 0.00322 %            |            |                |
|    |                                                                                                                                                         | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |                                                                  |                                                                     |          | 14                | mg/kg | 1.126        | 13.556         | mg/kg | 0.00136 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      |                                                                  |                                                                     | 1        | 22                | mg/kg |              | 18.92          | mg/kg | 0.00189 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                          |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         |                                                                  |                                                                     |          | 19                | mg/kg | 2.022        | 33.046         | mg/kg | 0.0033 %             | ✓          |                |
|    | 028-010-00-0                                                                                                                                            | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |

| #      | 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 |          |                   |              |                |             |                      |            |                |
| 12     | selenium { nickel selenate }                                                                                                                                                           |           |            |          | <1 mg/kg          | 2.554        | <2.554 mg/kg   | <0.000255 % |                      |            | <LOD           |
|        | 028-031-00-5                                                                                                                                                                           | 239-125-2 | 15060-62-5 |          |                   |              |                |             |                      |            |                |
| 13     | zinc { trizinc bis(orthophosphate) }                                                                                                                                                   |           |            |          | 63 mg/kg          | 1.968        | 106.648 mg/kg  | 0.0107 %    |                      | ✓          |                |
|        | 030-011-00-6                                                                                                                                                                           | 231-944-3 | 7779-90-0  |          |                   |              |                |             |                      |            |                |
| 14     | sulfur { sulfur }                                                                                                                                                                      |           |            |          | 450 mg/kg         |              | 387 mg/kg      | 0.0387 %    |                      | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6 | 7704-34-9  |          |                   |              |                |             |                      |            |                |
| 15     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %    |                      |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |             |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 % |                      |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |             |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |             |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |             |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |             |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |             |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |             |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |             |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |             |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |             |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |             |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |             |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |             |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |             |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |             |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |             |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |             |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |             |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |             |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                |             | 0.45 %               |            |                |

Key

|             |                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
|             | User supplied data                                                                                                              |
|             | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|             | Hazardous result                                                                                                                |
|             | 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: IP02-1-22102024-0.20



### Sample details

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                           | LoW Code:                                                                                 |
| <b>IP02-1-22102024-0.20</b>            | Chapter:                                                                                  |
| Moisture content:                      | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>8.2%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                        | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 8.2% Wet Weight 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  | pH                                                                                                                                                       |                                                                  |                                                                     |          | 7.4               | pH    |              | 7.4            | pH    | 7.4 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 5.8               | mg/kg | 1.32         | 7.03           | mg/kg | 0.000703 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.5               | mg/kg | 5.719        | 2.625          | mg/kg | 0.000263 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1300              | mg/kg | 1.8          | 2148.197       | mg/kg | 0.215 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 16                | mg/kg | 1.462        | 23.385         | mg/kg | 0.00234 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 9                 | mg/kg | 1.126        | 9.302          | mg/kg | 0.00093 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 8.9               | mg/kg |              | 8.17           | mg/kg | 0.000817 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 20                | mg/kg | 2.022        | 37.132         | mg/kg | 0.00371 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 49                | mg/kg | 1.968        | 88.542         | mg/kg | 0.00885 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 120               | mg/kg |              | 110.16         | mg/kg | 0.011 %              | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | 100 mg/kg         |              | 91.8 mg/kg     | 0.00918 %            | ✓          |                |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.254 %              |            |                |

#### 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 threshold of: 10000 mg/kg (1%) because: not flammable since present in the soil

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00918%)

Classification of sample: IP03-2-22102024-0.55

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

Sample details

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                           | LoW Code:                                                                                 |
| <b>IP03-2-22102024-0.55</b>            | Chapter:                                                                                  |
| Moisture content:                      | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>9.1%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                        | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 9.1% Wet Weight 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  | pH                                                                                                                                                      |                                                                  | PH                                                                  |          | 7.1               | pH    |              | 7.1            | pH    | 7.1 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            |                                                                  |                                                                     |          | 4.9               | mg/kg | 1.32         | 5.881          | mg/kg | 0.000588 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               |                                                                  |                                                                     |          | 0.4               | mg/kg | 5.719        | 2.079          | mg/kg | 0.000208 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                            | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                            |                                                                  |                                                                     |          | 1100              | mg/kg | 1.8          | 1799.885       | mg/kg | 0.18 %               | ✓          |                |
|    | 016-004-00-0                                                                                                                                            | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |                                                                  |                                                                     |          | 15                | mg/kg | 1.462        | 21.923         | mg/kg | 0.00219 %            |            |                |
|    |                                                                                                                                                         | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |                                                                  |                                                                     |          | 8.6               | mg/kg | 1.126        | 8.802          | mg/kg | 0.00088 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      |                                                                  |                                                                     | 1        | 7.9               | mg/kg |              | 7.181          | mg/kg | 0.000718 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                          |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         |                                                                  |                                                                     |          | 20                | mg/kg | 2.022        | 36.767         | mg/kg | 0.00368 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                            | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                            |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                            | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                    |                                                                  |                                                                     |          | 46                | mg/kg | 1.968        | 82.307         | mg/kg | 0.00823 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                            | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                       |                                                                  |                                                                     |          | 80                | mg/kg |              | 72.72          | mg/kg | 0.00727 %            | ✓          |                |
|    | 016-094-00-1                                                                                                                                            | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.207 %              |            |                |

**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: IP06-2-22102024-0.50

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

Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>IP06-2-22102024-0.50</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>13%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight 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  | pH                                                                                                                                                      |                                                                  | PH                                                                  |          | 7 pH              |              | 7              | pH    | 7pH                  |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            |                                                                  |                                                                     |          | 8.5 mg/kg         | 1.32         | 9.764          | mg/kg | 0.000976 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               |                                                                  |                                                                     |          | 0.5 mg/kg         | 5.719        | 2.488          | mg/kg | 0.000249 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                            | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               |                                                                  |                                                                     |          | <0.2 mg/kg        | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                            |                                                                  |                                                                     |          | 1500 mg/kg        | 1.8          | 2349.085       | mg/kg | 0.235 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                            | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |                                                                  |                                                                     |          | 23 mg/kg          | 1.462        | 33.616         | mg/kg | 0.00336 %            |            |                |
|    |                                                                                                                                                         | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |                                                                  |                                                                     |          | 15 mg/kg          | 1.126        | 14.693         | mg/kg | 0.00147 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      |                                                                  |                                                                     | 1        | 13 mg/kg          |              | 11.31          | mg/kg | 0.00113 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                            |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                          |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         |                                                                  |                                                                     |          | 24 mg/kg          | 2.022        | 42.228         | mg/kg | 0.00422 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                            | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                            |                                                                  |                                                                     |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                            | 239-125-2                                                        | 15060-62-5                                                          |          |                   |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                    |                                                                  |                                                                     |          | 58 mg/kg          | 1.968        | 99.325         | mg/kg | 0.00993 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                            | 231-944-3                                                        | 7779-90-0                                                           |          |                   |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                       |                                                                  |                                                                     |          | 150 mg/kg         |              | 130.5          | mg/kg | 0.0131 %             | ✓          |                |
|    | 016-094-00-1                                                                                                                                            | 231-722-6                                                        | 7704-34-9                                                           |          |                   |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.272 %              |            |                |

**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: TP04-1-23102024-0.10

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

Sample details

|                                      |                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                         | LoW Code:                                                                                 |
| <b>TP04-1-23102024-0.10</b>          | Chapter:                                                                                  |
| Moisture content:                    | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>9%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                      | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 9% Wet Weight 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  | pH                                                                                                                                                      |              | PH                                                               |                                                                     | 7.8 pH            |              | 7.8            | pH    | 7.8 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            | 033-003-00-0 | 215-481-4                                                        | 1327-53-3                                                           | 5.4 mg/kg         | 1.32         | 6.488          | mg/kg | 0.000649 %           | ✓          |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    | 0.3 mg/kg         | 5.719        | 1.561          | mg/kg | 0.000156 %           | ✓          |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               | 048-002-00-0 | 215-146-2                                                        | 1306-19-0                                                           | <0.2 mg/kg        | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
| 5  | calcium { calcium sulphide }                                                                                                                            | 016-004-00-0 | 243-873-5                                                        | 20548-54-3                                                          | 1200 mg/kg        | 1.8          | 1965.671       | mg/kg | 0.197 %              | ✓          |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |              | 215-160-9                                                        | 1308-38-9                                                           | 19 mg/kg          | 1.462        | 27.77          | mg/kg | 0.00278 %            |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 |                                                                  |                                                                     | <1.8 mg/kg        | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             | 029-002-00-X | 215-270-7                                                        | 1317-39-1                                                           | 9.5 mg/kg         | 1.126        | 9.733          | mg/kg | 0.000973 %           | ✓          |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      | 082-001-00-6 |                                                                  |                                                                     | 10 mg/kg          |              | 9.1            | mg/kg | 0.00091 %            | ✓          |                |
| 10 | mercury { mercury dichloride }                                                                                                                          | 080-010-00-X | 231-299-8                                                        | 7487-94-7                                                           | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         | 028-010-00-0 | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] | 24 mg/kg          | 2.022        | 44.17          | mg/kg | 0.00442 %            | ✓          |                |
| 12 | selenium { nickel selenate }                                                                                                                            | 028-031-00-5 | 239-125-2                                                        | 15060-62-5                                                          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                    | 030-011-00-6 | 231-944-3                                                        | 7779-90-0                                                           | 56 mg/kg          | 1.968        | 100.309        | mg/kg | 0.01 %               | ✓          |                |
| 14 | sulfur { sulfur }                                                                                                                                       | 016-094-00-1 | 231-722-6                                                        | 7704-34-9                                                           | 170 mg/kg         |              | 154.7          | mg/kg | 0.0155 %             | ✓          |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.235 %              |            |                |

**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: TP04-2-23102024-0.50

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

Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>TP04-2-23102024-0.50</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>11%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight 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  | pH                                                                                                                                                       |                                                                  | PH                                                                  |          | 6.8 pH            |              | 6.8            | pH    | 6.8 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 6.1 mg/kg         | 1.32         | 7.168          | mg/kg | 0.000717 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.3 mg/kg         | 5.719        | 1.527          | mg/kg | 0.000153 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2 mg/kg        | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1400 mg/kg        | 1.8          | 2242.881       | mg/kg | 0.224 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 18 mg/kg          | 1.462        | 26.308         | mg/kg | 0.00263 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 10 mg/kg          | 1.126        | 10.02          | mg/kg | 0.001 %              | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 11 mg/kg          |              | 9.79           | mg/kg | 0.000979 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 20 mg/kg          | 2.022        | 35.999         | mg/kg | 0.0036 %             | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 52 mg/kg          | 1.968        | 91.097         | mg/kg | 0.00911 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 120 mg/kg         |              | 106.8          | mg/kg | 0.0107 %             | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.256 %              |            |                |

**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: TP02-ES-21102024-0.20

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

Sample details

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>TP02-ES-21102024-0.20</b>          | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 03 * (Soil and stones containing hazardous substances)                                |
| <b>19%</b><br>(wet weight correction) |                                                                                                    |

Hazard properties

**HP 12: Release of an acute toxic gas** "waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid"

Hazard Statements hit:

**EUH031** "Contact with acids liberates toxic gas"

Because of determinand:

calcium sulphide: (compound conc.: 10.061%)

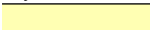
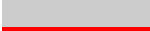
Determinands

Moisture content: 19% Wet Weight 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  | pH                                                                                                                                                       |                                                                  | PH                                                                  |          | 8 pH              |              | 8 pH             | 8pH                  |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 7.1 mg/kg         | 1.32         | 7.593 mg/kg      | 0.000759 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                  |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 1.3 mg/kg         | 5.719        | 6.022 mg/kg      | 0.000602 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                  |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | 1 mg/kg           | 1.142        | 0.925 mg/kg      | 0.0000925 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                  |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 69000 mg/kg       | 1.8          | 100605.626 mg/kg | 10.061 %             | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                  |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 17 mg/kg          | 1.462        | 24.846 mg/kg     | 0.00248 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                  |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086 mg/kg     | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                  |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 14 mg/kg          | 1.126        | 12.768 mg/kg     | 0.00128 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                  |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 48 mg/kg          |              | 38.88 mg/kg      | 0.00389 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                  |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406 mg/kg     | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                  |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 11 mg/kg          | 2.022        | 18.02 mg/kg      | 0.0018 %             | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                  |                      |            |                |

| #      | 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 |            |                   |              |                |                      |            |                |
| 12     |  selenium { <b>nickel selenate</b> }                                                                                                                                                                                                                                      | 028-031-00-5 | 239-125-2  | 15060-62-5 | <1 mg/kg          | 2.554        | <2.554 mg/kg   | <0.000255 %          |            | <LOD           |
| 13     |  zinc { <b>trizinc bis(orthophosphate)</b> }                                                                                                                                                                                                                              | 030-011-00-6 | 231-944-3  | 7779-90-0  | 120 mg/kg         | 1.968        | 191.328 mg/kg  | 0.0191 %             | ✓          |                |
| 14     |  sulfur { <b>sulfur</b> }                                                                                                                                                                                                                                                 | 016-094-00-1 | 231-722-6  | 7704-34-9  | 910 mg/kg         |              | 737.1 mg/kg    | 0.0737 %             | ✓          |                |
| 15     | TPH (C6 to C40) petroleum group                                                                                                                                                                                                                                                                                                                            |              | TPH        |            | 107 mg/kg         |              | 86.67 mg/kg    | 0.00867 %            | ✓          |                |
| 16     |  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 |            |            | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
| 17     | naphthalene                                                                                                                                                                                                                                                                                                                                                | 601-052-00-2 | 202-049-5  | 91-20-3    | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 18     |  acenaphthylene                                                                                                                                                                                                                                                           |              | 205-917-1  | 208-96-8   | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 19     |  acenaphthene                                                                                                                                                                                                                                                             |              | 201-469-6  | 83-32-9    | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     |  fluorene                                                                                                                                                                                                                                                                 |              | 201-695-5  | 86-73-7    | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 21     |  phenanthrene                                                                                                                                                                                                                                                            |              | 201-581-5  | 85-01-8    | 0.16 mg/kg        |              | 0.13 mg/kg     | 0.000013 %           | ✓          |                |
| 22     |  anthracene                                                                                                                                                                                                                                                             |              | 204-371-1  | 120-12-7   | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 23     |  fluoranthene                                                                                                                                                                                                                                                           |              | 205-912-4  | 206-44-0   | 0.45 mg/kg        |              | 0.365 mg/kg    | 0.0000365 %          | ✓          |                |
| 24     |  pyrene                                                                                                                                                                                                                                                                 |              | 204-927-3  | 129-00-0   | 0.38 mg/kg        |              | 0.308 mg/kg    | 0.0000308 %          | ✓          |                |
| 25     | benzo[a]anthracene                                                                                                                                                                                                                                                                                                                                         | 601-033-00-9 | 200-280-6  | 56-55-3    | 0.35 mg/kg        |              | 0.284 mg/kg    | 0.0000284 %          | ✓          |                |
| 26     | chrysene                                                                                                                                                                                                                                                                                                                                                   | 601-048-00-0 | 205-923-4  | 218-01-9   | 0.35 mg/kg        |              | 0.284 mg/kg    | 0.0000284 %          | ✓          |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                                                                                                                                                                                       | 601-034-00-4 | 205-911-9  | 205-99-2   | 0.54 mg/kg        |              | 0.437 mg/kg    | 0.0000437 %          | ✓          |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                                                                                                                                                                                       | 601-036-00-5 | 205-916-6  | 207-08-9   | 0.2 mg/kg         |              | 0.162 mg/kg    | 0.0000162 %          | ✓          |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                                                                                                                                                                                         | 601-032-00-3 | 200-028-5  | 50-32-8    | 0.42 mg/kg        |              | 0.34 mg/kg     | 0.000034 %           | ✓          |                |
| 30     |  indeno[123-cd]pyrene                                                                                                                                                                                                                                                   |              | 205-893-2  | 193-39-5   | 0.22 mg/kg        |              | 0.178 mg/kg    | 0.0000178 %          | ✓          |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                                                                                                                                                                                      | 601-041-00-2 | 200-181-8  | 53-70-3    | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 32     |  benzo[ghi]perylene                                                                                                                                                                                                                                                     |              | 205-883-8  | 191-24-2   | 0.28 mg/kg        |              | 0.227 mg/kg    | 0.0000227 %          | ✓          |                |
| 33     |  coronene                                                                                                                                                                                                                                                               |              | 205-881-7  | 191-07-1   | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| Total: |                                                                                                                                                                                                                                                                                                                                                            |              |            |            |                   |              |                | 10.174 %             |            |                |

**Key**

|                                                                                     |                                                                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  | User supplied data                                                                                                              |
|  | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|  | Hazardous result                                                                                                                |
|  | 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 threshold of: 10000 mg/kg (1%) because: not flammable since present in the soil

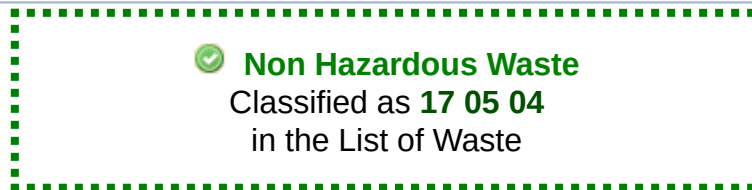
Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00867%)

Classification of sample: TP02-ES-21102024-1.00



### Sample details

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                           | LoW Code:                                                                                 |
| <b>TP02-ES-21102024-1.00</b>           | Chapter:                                                                                  |
| Moisture content:                      | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>8.8%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                        | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 8.8% Wet Weight Moisture Correction applied (MC)

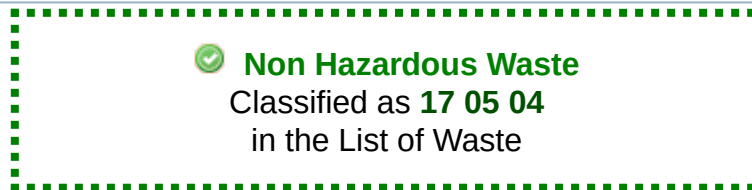
| #  | Determinand                                                                                                                                              |                                                                  |                                                                     | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                      | EC Number                                                        | CAS Number                                                          |          |                   |       |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                       |                                                                  |                                                                     |          | 8.4               | pH    |              | 8.4            | pH    | 8.4 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 7                 | mg/kg | 1.32         | 8.429          | mg/kg | 0.000843 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.6               | mg/kg | 5.719        | 3.13           | mg/kg | 0.000313 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1600              | mg/kg | 1.8          | 2626.655       | mg/kg | 0.263 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 14                | mg/kg | 1.462        | 20.462         | mg/kg | 0.00205 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 9.3               | mg/kg | 1.126        | 9.549          | mg/kg | 0.000955 %           | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 8.7               | mg/kg |              | 7.934          | mg/kg | 0.000793 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 19                | mg/kg | 2.022        | 35.044         | mg/kg | 0.0035 %             | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 55                | mg/kg | 1.968        | 98.735         | mg/kg | 0.00987 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 87                | mg/kg |              | 79.344         | mg/kg | 0.00793 %            | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.292 %              |            |                |

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: BH01-ES-21102024-0.50



### Sample details

|                                       |                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                 |
| <b>BH01-ES-21102024-0.50</b>          | Chapter:                                                                                  |
| Moisture content:                     | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>15%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                       | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

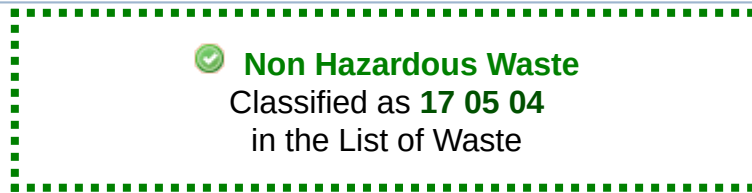
| #  | Determinand                                                                                                                                              |                                                                  |                                                                     | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                      | EC Number                                                        | CAS Number                                                          |          |                   |       |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                       |                                                                  |                                                                     |          | 6.9               | pH    |              | 6.9            | pH    | 6.9 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 7.2               | mg/kg | 1.32         | 8.08           | mg/kg | 0.000808 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.6               | mg/kg | 5.719        | 2.917          | mg/kg | 0.000292 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1700              | mg/kg | 1.8          | 2601.094       | mg/kg | 0.26 %               | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 21                | mg/kg | 1.462        | 30.693         | mg/kg | 0.00307 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 13                | mg/kg | 1.126        | 12.441         | mg/kg | 0.00124 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 13                | mg/kg |              | 11.05          | mg/kg | 0.00111 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 19                | mg/kg | 2.022        | 32.662         | mg/kg | 0.00327 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 54                | mg/kg | 1.968        | 90.349         | mg/kg | 0.00903 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 230               | mg/kg |              | 195.5          | mg/kg | 0.0196 %             | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.301 %              |            |                |

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: BH02-2-23102024-0.50



### Sample details

|                                       |                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                 |
| <b>BH02-2-23102024-0.50</b>           | Chapter:                                                                                  |
| Moisture content:                     | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>12%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                       | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

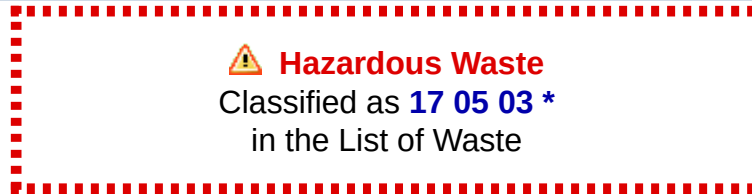
| #  | Determinand                                                                                                                                              |                                                                  |                                                                     | CLP Note | User entered data | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                      | EC Number                                                        | CAS Number                                                          |          |                   |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                       |                                                                  |                                                                     |          | 8 pH              |              | 8              | pH    | 8pH                  |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 7.9 mg/kg         | 1.32         | 9.179          | mg/kg | 0.000918 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.4 mg/kg         | 5.719        | 2.013          | mg/kg | 0.000201 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2 mg/kg        | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1600 mg/kg        | 1.8          | 2534.491       | mg/kg | 0.253 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 24 mg/kg          | 1.462        | 35.077         | mg/kg | 0.00351 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 12 mg/kg          | 1.126        | 11.889         | mg/kg | 0.00119 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 12 mg/kg          |              | 10.56          | mg/kg | 0.00106 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 24 mg/kg          | 2.022        | 42.713         | mg/kg | 0.00427 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 49 mg/kg          | 1.968        | 84.877         | mg/kg | 0.00849 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 110 mg/kg         |              | 96.8           | mg/kg | 0.00968 %            | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.286 %              |            |                |

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: BH03-2-25102024-0.50



### Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>BH03-2-25102024-0.50</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>16%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 03 * (Soil and stones containing hazardous substances)                              |

### Hazard properties

**HP 12: Release of an acute toxic gas** "waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid"

Hazard Statements hit:

**EUH031** "Contact with acids liberates toxic gas"

Because of determinand:

calcium sulphide: (compound conc.: 0.756%)

### Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

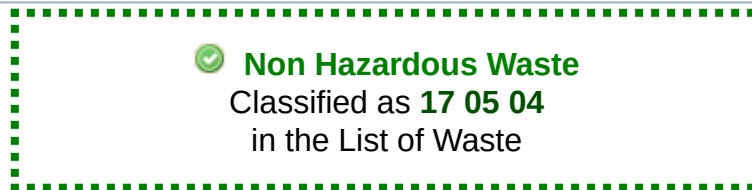
| #  | Determinand                                                                                                                                             |                                                                  |                                                                     | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                     | EC Number                                                        | CAS Number                                                          |          |                   |       |              |                |       |                      |            |                |
| 1  | pH                                                                                                                                                      |                                                                  |                                                                     |          | 7.7               | pH    |              | 7.7            | pH    | 7.7 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                            |                                                                  |                                                                     |          | 10                | mg/kg | 1.32         | 11.091         | mg/kg | 0.00111 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                               |                                                                  |                                                                     |          | 0.7               | mg/kg | 5.719        | 3.363          | mg/kg | 0.000336 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                            | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                               |                                                                  |                                                                     |          | 0.4               | mg/kg | 1.142        | 0.384          | mg/kg | 0.0000384 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                            |                                                                  |                                                                     |          | 5000              | mg/kg | 1.8          | 7560.272       | mg/kg | 0.756 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                            | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |                                                                  |                                                                     |          | 23                | mg/kg | 1.462        | 33.616         | mg/kg | 0.00336 %            |            |                |
|    |                                                                                                                                                         | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |                                                                  |                                                                     |          | 14                | mg/kg | 1.126        | 13.24          | mg/kg | 0.00132 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                      |                                                                  |                                                                     | 1        | 33                | mg/kg |              | 27.72          | mg/kg | 0.00277 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                            |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                          |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                         |                                                                  |                                                                     |          | 14                | mg/kg | 2.022        | 23.784         | mg/kg | 0.00238 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                            | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |

| #      | 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 |          |                   |              |                |              |                      |            |                |
| 12     | selenium { nickel selenate }                                                                                                                                                           |           |            |          | <1 mg/kg          | 2.554        | <2.554 mg/kg   | <0.000255 %  |                      |            | <LOD           |
|        | 028-031-00-5                                                                                                                                                                           | 239-125-2 | 15060-62-5 |          |                   |              |                |              |                      |            |                |
| 13     | zinc { trizinc bis(orthophosphate) }                                                                                                                                                   |           |            |          | 68 mg/kg          | 1.968        | 112.435 mg/kg  | 0.0112 %     |                      | ✓          |                |
|        | 030-011-00-6                                                                                                                                                                           | 231-944-3 | 7779-90-0  |          |                   |              |                |              |                      |            |                |
| 14     | sulfur { sulfur }                                                                                                                                                                      |           |            |          | 430 mg/kg         |              | 361.2 mg/kg    | 0.0361 %     |                      | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6 | 7704-34-9  |          |                   |              |                |              |                      |            |                |
| 15     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %     |                      |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |              |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %  |                      |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |              |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |              |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |              |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |              |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |              |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |              |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |              |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |              |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |              |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |              |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | 0.09 mg/kg        |              | 0.0756 mg/kg   | 0.00000756 % |                      | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |              |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | 0.1 mg/kg         |              | 0.084 mg/kg    | 0.0000084 %  |                      | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |              |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |              |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | 0.07 mg/kg        |              | 0.0588 mg/kg   | 0.00000588 % |                      | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |              |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |              |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |              |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |              |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |              |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                |              | 0.818 %              |            |                |

Key

|             |                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
|             | User supplied data                                                                                                              |
|             | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|             | Hazardous result                                                                                                                |
|             | 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: TP01--23102024-0.50



### Sample details

|                                       |                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                 |
| <b>TP01--23102024-0.50</b>            | Chapter:                                                                                  |
| Moisture content:                     | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>17%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                       | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 17% Wet Weight 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  | pH                                                                                                                                                       |                                                                  |                                                                     |          | 6.8               | pH    |              | 6.8            | pH    | 6.8 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 8.1               | mg/kg | 1.32         | 8.877          | mg/kg | 0.000888 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.5               | mg/kg | 5.719        | 2.373          | mg/kg | 0.000237 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1600              | mg/kg | 1.8          | 2390.486       | mg/kg | 0.239 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 24                | mg/kg | 1.462        | 35.077         | mg/kg | 0.00351 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 12                | mg/kg | 1.126        | 11.214         | mg/kg | 0.00112 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 15                | mg/kg |              | 12.45          | mg/kg | 0.00125 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 20                | mg/kg | 2.022        | 33.572         | mg/kg | 0.00336 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 54                | mg/kg | 1.968        | 88.224         | mg/kg | 0.00882 %            | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 220               | mg/kg |              | 182.6          | mg/kg | 0.0183 %             | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.279 %              |            |                |

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                                                                   |

### WAC results for sample: TP01--23102024-0.50

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate this sample: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

The sample FAILS the Inert (Inert waste landfill) criteria.

The sample PASSES the SNRHW (Stable non-reactive hazardous waste in non-hazardous landfill) criteria.

### WAC Determinands

| Solid Waste Analysis |                                                   |        |                   | Landfill Waste Acceptance Criteria Limits |                                                               |                          |
|----------------------|---------------------------------------------------|--------|-------------------|-------------------------------------------|---------------------------------------------------------------|--------------------------|
| #                    | Determinand                                       |        | User entered data | Inert waste landfill                      | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste landfill |
| 1                    | TOC (total organic carbon)                        | %      | 0.7               | 3                                         | 5                                                             | 6                        |
| 2                    | LOI (loss on ignition)                            | %      | 3.1               | -                                         | -                                                             | 10                       |
| 3                    | BTEX (benzene, toluene, ethylbenzene and xylenes) | mg/kg  | <10               | 6                                         | -                                                             | -                        |
| 4                    | PCBs (polychlorinated biphenyls, 7 congeners)     | mg/kg  | <0.007            | 1                                         | -                                                             | -                        |
| 5                    | Mineral oil (C10 to C40)                          | mg/kg  | <10               | 500                                       | -                                                             | -                        |
| 6                    | PAHs (polycyclic aromatic hydrocarbons)           | mg/kg  | <0.85             | 100                                       | -                                                             | -                        |
| 7                    | pH                                                | pH     | 7                 | -                                         | >6                                                            | -                        |
| 8                    | ANC (acid neutralisation capacity)                | mol/kg |                   | -                                         | -                                                             | -                        |
| Eluate Analysis 10:1 |                                                   |        |                   |                                           |                                                               |                          |
| 9                    | arsenic                                           | mg/kg  | <0.02             | 0.5                                       | 2                                                             | 25                       |
| 10                   | barium                                            | mg/kg  | 0.11              | 20                                        | 100                                                           | 300                      |
| 11                   | cadmium                                           | mg/kg  | <0.001            | 0.04                                      | 1                                                             | 5                        |
| 12                   | chromium                                          | mg/kg  | 0.037             | 0.5                                       | 10                                                            | 70                       |
| 13                   | copper                                            | mg/kg  | 0.081             | 2                                         | 50                                                            | 100                      |
| 14                   | mercury                                           | mg/kg  | <0.007            | 0.01                                      | 0.2                                                           | 2                        |
| 15                   | molybdenum                                        | mg/kg  | <0.014            | 0.5                                       | 10                                                            | 30                       |
| 16                   | nickel                                            | mg/kg  | 0.021             | 0.4                                       | 10                                                            | 40                       |
| 17                   | lead                                              | mg/kg  | <0.017            | 0.5                                       | 10                                                            | 50                       |
| 18                   | antimony                                          | mg/kg  | <0.02             | 0.06                                      | 0.7                                                           | 5                        |
| 19                   | selenium                                          | mg/kg  | <0.05             | 0.1                                       | 0.5                                                           | 7                        |
| 20                   | zinc                                              | mg/kg  | 0.071             | 4                                         | 50                                                            | 200                      |
| 21                   | chloride                                          | mg/kg  | <15               | 800                                       | 15,000                                                        | 25,000                   |
| 22                   | fluoride                                          | mg/kg  | 1.3               | 10                                        | 150                                                           | 500                      |
| 23                   | sulphate                                          | mg/kg  | 12                | 1,000                                     | 20,000                                                        | 50,000                   |
| 24                   | phenol index                                      | mg/kg  | <0.5              | 1                                         | -                                                             | -                        |
| 25                   | DOC (dissolved organic carbon)                    | mg/kg  | 104               | 500                                       | 800                                                           | 1,000                    |
| 26                   | TDS (total dissolved solids)                      | mg/kg  | 100               | 4,000                                     | 60,000                                                        | 100,000                  |

#### Key

|  |                         |
|--|-------------------------|
|  | User supplied data      |
|  | Not applicable          |
|  | Inert WAC criteria fail |

Classification of sample: TP03--24102024-1.00

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

Sample details

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:               | LoW Code:                                                                                 |
| <b>TP03--24102024-1.00</b> | Chapter:                                                                                  |
| Moisture content:          | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>6.2%</b>                | Entry:                                                                                    |
| (wet weight correction)    | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 6.2% Wet Weight 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  | pH                                                                                                                                                       |                                                                  | PH                                                                  |          | 6.7               | pH    |              | 6.7            | pH    | 6.7 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 7.4               | mg/kg | 1.32         | 9.165          | mg/kg | 0.000916 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |       |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.3               | mg/kg | 5.719        | 1.609          | mg/kg | 0.000161 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |       |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2              | mg/kg | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 880               | mg/kg | 1.8          | 1485.846       | mg/kg | 0.149 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |       |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 15                | mg/kg | 1.462        | 21.923         | mg/kg | 0.00219 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |       |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8              | mg/kg | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 9.6               | mg/kg | 1.126        | 10.138         | mg/kg | 0.00101 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |       |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 10                | mg/kg |              | 9.38           | mg/kg | 0.000938 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |       |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3              | mg/kg | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |       |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 23                | mg/kg | 2.022        | 43.632         | mg/kg | 0.00436 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |       |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1                | mg/kg | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |       |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 57                | mg/kg | 1.968        | 105.242        | mg/kg | 0.0105 %             | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |       |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 66                | mg/kg |              | 61.908         | mg/kg | 0.00619 %            | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |       |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.178 %              |            |                |

**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: TP05--24102024-2.80



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

Sample details

|                                        |                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                           | LoW Code:                                                                                          |
| <b>TP05--24102024-2.80</b>             | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                      | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>5.5%</b><br>(wet weight correction) |                                                                                                    |

Hazard properties

None identified

Determinands

Moisture content: 5.5% Wet Weight 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  | pH                                 |           | PH         |          | 7.8               | pH    |              | 7.8            | pH    | 7.8 pH               |            |                |
| 2  | naphthalene                        |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-052-00-2                       | 202-049-5 | 91-20-3    |          |                   |       |              |                |       |                      |            |                |
| 3  | acenaphthylene                     |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-917-1 | 208-96-8   |          |                   |       |              |                |       |                      |            |                |
| 4  | acenaphthene                       |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-469-6 | 83-32-9    |          |                   |       |              |                |       |                      |            |                |
| 5  | fluorene                           |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-695-5 | 86-73-7    |          |                   |       |              |                |       |                      |            |                |
| 6  | phenanthrene                       |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-581-5 | 85-01-8    |          |                   |       |              |                |       |                      |            |                |
| 7  | anthracene                         |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 204-371-1 | 120-12-7   |          |                   |       |              |                |       |                      |            |                |
| 8  | fluoranthene                       |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-912-4 | 206-44-0   |          |                   |       |              |                |       |                      |            |                |
| 9  | pyrene                             |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 204-927-3 | 129-00-0   |          |                   |       |              |                |       |                      |            |                |
| 10 | benzo[a]anthracene                 |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-033-00-9                       | 200-280-6 | 56-55-3    |          |                   |       |              |                |       |                      |            |                |
| 11 | chrysene                           |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-048-00-0                       | 205-923-4 | 218-01-9   |          |                   |       |              |                |       |                      |            |                |
| 12 | benzo[b]fluoranthene               |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-034-00-4                       | 205-911-9 | 205-99-2   |          |                   |       |              |                |       |                      |            |                |
| 13 | benzo[k]fluoranthene               |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-036-00-5                       | 205-916-6 | 207-08-9   |          |                   |       |              |                |       |                      |            |                |
| 14 | benzo[a]pyrene; benzo[def]chrysene |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-032-00-3                       | 200-028-5 | 50-32-8    |          |                   |       |              |                |       |                      |            |                |
| 15 | indeno[123-cd]pyrene               |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-893-2 | 193-39-5   |          |                   |       |              |                |       |                      |            |                |
| 16 | dibenz[a,h]anthracene              |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-041-00-2                       | 200-181-8 | 53-70-3    |          |                   |       |              |                |       |                      |            |                |
| 17 | benzo[ghi]perylene                 |           |            |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-883-8 | 191-24-2   |          |                   |       |              |                |       |                      |            |                |

| #      |          | 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 |          |                   |              |                |                      |            |                |
| 18     | coronene |                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |          | 205-881-7           | 191-07-1  |            |          |                   |              |                |                      |            |                |
| Total: |          |                     |           |            |          |                   |              |                | 0.00008 %            |            |                |

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)                     |
| <LOD | Below limit of detection                                                              |

Classification of sample: IP04-1-23102024-0.10

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>IP04-1-23102024-0.10</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>15%</b>                  | Entry:                                                                                    |
| (wet weight correction)     | 17 05 03 * (Soil and stones containing hazardous substances)                              |

Hazard properties

**HP 12: Release of an acute toxic gas** "waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid"

Hazard Statements hit:

**EUH031** "Contact with acids liberates toxic gas"

Because of determinand:

calcium sulphide: (compound conc.: 0.597%)

Determinands

Moisture content: 15% Wet Weight 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  | pH                                                                                                                                                       |                                                                  | PH                                                                  |          | 7.3 pH            |              | 7.3 pH         | 7.3 pH               |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 8.9 mg/kg         | 1.32         | 9.988 mg/kg    | 0.000999 %           | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.6 mg/kg         | 5.719        | 2.917 mg/kg    | 0.000292 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | 0.3 mg/kg         | 1.142        | 0.291 mg/kg    | 0.0000291 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 3900 mg/kg        | 1.8          | 5967.215 mg/kg | 0.597 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 19 mg/kg          | 1.462        | 27.77 mg/kg    | 0.00278 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086 mg/kg   | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 14 mg/kg          | 1.126        | 13.398 mg/kg   | 0.00134 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 24 mg/kg          |              | 20.4 mg/kg     | 0.00204 %            | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406 mg/kg   | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 17 mg/kg          | 2.022        | 29.224 mg/kg   | 0.00292 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                |                      |            |                |

| #      | 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 |          |                   |              |                |                      |            |                |
| 12     | selenium { nickel selenate }                                                                                                                                                           |           |            |          | <1 mg/kg          | 2.554        | <2.554 mg/kg   | <0.000255 %          |            | <LOD           |
|        | 028-031-00-5                                                                                                                                                                           | 239-125-2 | 15060-62-5 |          |                   |              |                |                      |            |                |
| 13     | zinc { trizinc bis(orthophosphate) }                                                                                                                                                   |           |            |          | 68 mg/kg          | 1.968        | 113.773 mg/kg  | 0.0114 %             | ✓          |                |
|        | 030-011-00-6                                                                                                                                                                           | 231-944-3 | 7779-90-0  |          |                   |              |                |                      |            |                |
| 14     | sulfur { sulfur }                                                                                                                                                                      |           |            |          | 380 mg/kg         |              | 323 mg/kg      | 0.0323 %             | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6 | 7704-34-9  |          |                   |              |                |                      |            |                |
| 15     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | 0.05 mg/kg        |              | 0.0425 mg/kg   | 0.00000425 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.654 %              |            |                |

**Key**

|             |                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
|             | User supplied data                                                                                                              |
|             | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|             | Hazardous result                                                                                                                |
|             | 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: IP05-2-23102024-0.60

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

Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                | LoW Code:                                                                                 |
| <b>IP05-2-23102024-0.60</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>7.2%</b>                 | Entry:                                                                                    |
| (wet weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 7.2% Wet Weight 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  | pH                                                                                                                                                       |                                                                  | PH                                                                  |          | 7 pH              |              | 7              | pH    | 7pH                  |            |                |
| 2  | arsenic { arsenic trioxide }                                                                                                                             |                                                                  |                                                                     |          | 9.9 mg/kg         | 1.32         | 12.13          | mg/kg | 0.00121 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4                                                        | 1327-53-3                                                           |          |                   |              |                |       |                      |            |                |
| 3  | boron { boric acid; [1] boric acid; [2] }                                                                                                                |                                                                  |                                                                     |          | 0.4 mg/kg         | 5.719        | 2.123          | mg/kg | 0.000212 %           | ✓          |                |
|    | 005-007-00-2                                                                                                                                             | 233-139-2 [1]<br>234-343-4 [2]                                   | 10043-35-3 [1]<br>11113-50-1 [2]                                    |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |                                                                  |                                                                     |          | <0.2 mg/kg        | 1.142        | <0.228         | mg/kg | <0.0000228 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2                                                        | 1306-19-0                                                           |          |                   |              |                |       |                      |            |                |
| 5  | calcium { calcium sulphide }                                                                                                                             |                                                                  |                                                                     |          | 1500 mg/kg        | 1.8          | 2505.69        | mg/kg | 0.251 %              | ✓          |                |
|    | 016-004-00-0                                                                                                                                             | 243-873-5                                                        | 20548-54-3                                                          |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |                                                                  |                                                                     |          | 17 mg/kg          | 1.462        | 24.846         | mg/kg | 0.00248 %            |            |                |
|    |                                                                                                                                                          | 215-160-9                                                        | 1308-38-9                                                           |          |                   |              |                |       |                      |            |                |
| 7  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |                                                                  |                                                                     |          | <1.8 mg/kg        | 2.27         | <4.086         | mg/kg | <0.000409 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 8  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |                                                                  |                                                                     |          | 13 mg/kg          | 1.126        | 13.583         | mg/kg | 0.00136 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7                                                        | 1317-39-1                                                           |          |                   |              |                |       |                      |            |                |
| 9  | lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }                                                       |                                                                  |                                                                     | 1        | 10 mg/kg          |              | 9.28           | mg/kg | 0.000928 %           | ✓          |                |
|    | 082-001-00-6                                                                                                                                             |                                                                  |                                                                     |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |                                                                  |                                                                     |          | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8                                                        | 7487-94-7                                                           |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel(II) carbonate }                                                                                                                          |                                                                  |                                                                     |          | 23 mg/kg          | 2.022        | 43.166         | mg/kg | 0.00432 %            | ✓          |                |
|    | 028-010-00-0                                                                                                                                             | 222-068-2 [1]<br>240-408-8 [2]<br>265-748-4 [3]<br>235-715-9 [4] | 3333-67-3 [1]<br>16337-84-1 [2]<br>65405-96-1 [3]<br>12607-70-4 [4] |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |                                                                  |                                                                     |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2                                                        | 15060-62-5                                                          |          |                   |              |                |       |                      |            |                |
| 13 | zinc { trizinc bis(orthophosphate) }                                                                                                                     |                                                                  |                                                                     |          | 52 mg/kg          | 1.968        | 94.987         | mg/kg | 0.0095 %             | ✓          |                |
|    | 030-011-00-6                                                                                                                                             | 231-944-3                                                        | 7779-90-0                                                           |          |                   |              |                |       |                      |            |                |
| 14 | sulfur { sulfur }                                                                                                                                        |                                                                  |                                                                     |          | 100 mg/kg         |              | 92.8           | mg/kg | 0.00928 %            | ✓          |                |
|    | 016-094-00-1                                                                                                                                             | 231-722-6                                                        | 7704-34-9                                                           |          |                   |              |                |       |                      |            |                |

| #      | 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     | TPH (C6 to C40) petroleum group                                                                                                                                                        |           |            |          | <20 mg/kg         |              | <20 mg/kg      | <0.002 %             |            | <LOD           |
|        |                                                                                                                                                                                        |           | TPH        |          |                   |              |                |                      |            |                |
| 16     | 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 } |           |            |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |           |            |          |                   |              |                |                      |            |                |
| 17     | naphthalene                                                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5 | 91-20-3    |          |                   |              |                |                      |            |                |
| 18     | acenaphthylene                                                                                                                                                                         |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1 | 208-96-8   |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6 | 83-32-9    |          |                   |              |                |                      |            |                |
| 20     | fluorene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5 | 86-73-7    |          |                   |              |                |                      |            |                |
| 21     | phenanthrene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-581-5 | 85-01-8    |          |                   |              |                |                      |            |                |
| 22     | anthracene                                                                                                                                                                             |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-371-1 | 120-12-7   |          |                   |              |                |                      |            |                |
| 23     | fluoranthene                                                                                                                                                                           |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-912-4 | 206-44-0   |          |                   |              |                |                      |            |                |
| 24     | pyrene                                                                                                                                                                                 |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 204-927-3 | 129-00-0   |          |                   |              |                |                      |            |                |
| 25     | benzo[a]anthracene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6 | 56-55-3    |          |                   |              |                |                      |            |                |
| 26     | chrysene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4 | 218-01-9   |          |                   |              |                |                      |            |                |
| 27     | benzo[b]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9 | 205-99-2   |          |                   |              |                |                      |            |                |
| 28     | benzo[k]fluoranthene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6 | 207-08-9   |          |                   |              |                |                      |            |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5 | 50-32-8    |          |                   |              |                |                      |            |                |
| 30     | indeno[123-cd]pyrene                                                                                                                                                                   |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-893-2 | 193-39-5   |          |                   |              |                |                      |            |                |
| 31     | dibenz[a,h]anthracene                                                                                                                                                                  |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8 | 53-70-3    |          |                   |              |                |                      |            |                |
| 32     | benzo[ghi]perylene                                                                                                                                                                     |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-883-8 | 191-24-2   |          |                   |              |                |                      |            |                |
| 33     | coronene                                                                                                                                                                               |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |           |            |          |                   |              |                | 0.283 %              |            |                |

**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: TP01-0.50



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

## Sample details

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>TP01-0.50</b>                      | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>17%</b><br>(wet weight correction) |                                                                                                    |

## Hazard properties

None identified

## Determinands

Moisture content: 17% Wet Weight 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  | pH                                 |           | PH         |          | 7 pH              |              | 7              | pH    | 7pH                  |            |                |
| 2  | naphthalene                        |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-052-00-2                       | 202-049-5 | 91-20-3    |          |                   |              |                |       |                      |            |                |
| 3  | acenaphthylene                     |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-917-1 | 208-96-8   |          |                   |              |                |       |                      |            |                |
| 4  | acenaphthene                       |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-469-6 | 83-32-9    |          |                   |              |                |       |                      |            |                |
| 5  | fluorene                           |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-695-5 | 86-73-7    |          |                   |              |                |       |                      |            |                |
| 6  | phenanthrene                       |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 201-581-5 | 85-01-8    |          |                   |              |                |       |                      |            |                |
| 7  | anthracene                         |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 204-371-1 | 120-12-7   |          |                   |              |                |       |                      |            |                |
| 8  | fluoranthene                       |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-912-4 | 206-44-0   |          |                   |              |                |       |                      |            |                |
| 9  | pyrene                             |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 204-927-3 | 129-00-0   |          |                   |              |                |       |                      |            |                |
| 10 | benzo[a]anthracene                 |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-033-00-9                       | 200-280-6 | 56-55-3    |          |                   |              |                |       |                      |            |                |
| 11 | chrysene                           |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-048-00-0                       | 205-923-4 | 218-01-9   |          |                   |              |                |       |                      |            |                |
| 12 | benzo[b]fluoranthene               |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-034-00-4                       | 205-911-9 | 205-99-2   |          |                   |              |                |       |                      |            |                |
| 13 | benzo[k]fluoranthene               |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-036-00-5                       | 205-916-6 | 207-08-9   |          |                   |              |                |       |                      |            |                |
| 14 | benzo[a]pyrene; benzo[def]chrysene |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-032-00-3                       | 200-028-5 | 50-32-8    |          |                   |              |                |       |                      |            |                |
| 15 | indeno[123-cd]pyrene               |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-893-2 | 193-39-5   |          |                   |              |                |       |                      |            |                |
| 16 | dibenz[a,h]anthracene              |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    | 601-041-00-2                       | 200-181-8 | 53-70-3    |          |                   |              |                |       |                      |            |                |
| 17 | benzo[ghi]perylene                 |           |            |          | <0.05 mg/kg       |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
|    |                                    | 205-883-8 | 191-24-2   |          |                   |              |                |       |                      |            |                |

| #      | 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 |          |                   |              |                |                      |            |                |
| 18     | coronene            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                     | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                     |           |            |          |                   |              |                | 0.00008 %            |            |                |

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)
- <LOD Below limit of detection

## WAC results for sample: TP01-0.50

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate this sample: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

The sample FAILS the Inert (Inert waste landfill) criteria.

The sample PASSES the SNRHW (Stable non-reactive hazardous waste in non-hazardous landfill) criteria.

## WAC Determinands

| Solid Waste Analysis |                                                   |        |                   | Landfill Waste Acceptance Criteria Limits |                                                               |                          |
|----------------------|---------------------------------------------------|--------|-------------------|-------------------------------------------|---------------------------------------------------------------|--------------------------|
| #                    | Determinand                                       |        | User entered data | Inert waste landfill                      | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste landfill |
| 1                    | TOC (total organic carbon)                        | %      | <0.1              | 3                                         | 5                                                             | 6                        |
| 2                    | LOI (loss on ignition)                            | %      | 1.3               | -                                         | -                                                             | 10                       |
| 3                    | BTEX (benzene, toluene, ethylbenzene and xylenes) | mg/kg  | <10               | 6                                         | -                                                             | -                        |
| 4                    | PCBs (polychlorinated biphenyls, 7 congeners)     | mg/kg  | <0.007            | 1                                         | -                                                             | -                        |
| 5                    | Mineral oil (C10 to C40)                          | mg/kg  | <10               | 500                                       | -                                                             | -                        |
| 6                    | PAHs (polycyclic aromatic hydrocarbons)           | mg/kg  | <0.85             | 100                                       | -                                                             | -                        |
| 7                    | pH                                                | pH     | 7.8               | -                                         | >6                                                            | -                        |
| 8                    | ANC (acid neutralisation capacity)                | mol/kg |                   | -                                         | -                                                             | -                        |
| Eluate Analysis 10:1 |                                                   |        |                   |                                           |                                                               |                          |
| 9                    | arsenic                                           | mg/kg  | <0.02             | 0.5                                       | 2                                                             | 25                       |
| 10                   | barium                                            | mg/kg  | <0.012            | 20                                        | 100                                                           | 300                      |
| 11                   | cadmium                                           | mg/kg  | <0.001            | 0.04                                      | 1                                                             | 5                        |
| 12                   | chromium                                          | mg/kg  | 0.0092            | 0.5                                       | 10                                                            | 70                       |
| 13                   | copper                                            | mg/kg  | 0.049             | 2                                         | 50                                                            | 100                      |
| 14                   | mercury                                           | mg/kg  | <0.007            | 0.01                                      | 0.2                                                           | 2                        |
| 15                   | molybdenum                                        | mg/kg  | <0.014            | 0.5                                       | 10                                                            | 30                       |
| 16                   | nickel                                            | mg/kg  | <0.009            | 0.4                                       | 10                                                            | 40                       |
| 17                   | lead                                              | mg/kg  | 0.019             | 0.5                                       | 10                                                            | 50                       |
| 18                   | antimony                                          | mg/kg  | <0.02             | 0.06                                      | 0.7                                                           | 5                        |
| 19                   | selenium                                          | mg/kg  | <0.05             | 0.1                                       | 0.5                                                           | 7                        |
| 20                   | zinc                                              | mg/kg  | 0.035             | 4                                         | 50                                                            | 200                      |
| 21                   | chloride                                          | mg/kg  | <15               | 800                                       | 15,000                                                        | 25,000                   |
| 22                   | fluoride                                          | mg/kg  | 0.47              | 10                                        | 150                                                           | 500                      |
| 23                   | sulphate                                          | mg/kg  | 12                | 1,000                                     | 20,000                                                        | 50,000                   |
| 24                   | phenol index                                      | mg/kg  | <0.5              | 1                                         | -                                                             | -                        |
| 25                   | DOC (dissolved organic carbon)                    | mg/kg  | 67.8              | 500                                       | 800                                                           | 1,000                    |
| 26                   | TDS (total dissolved solids)                      | mg/kg  | 130               | 4,000                                     | 60,000                                                        | 100,000                  |

### Key

|  |                         |
|--|-------------------------|
|  | User supplied data      |
|  | Not applicable          |
|  | Inert WAC criteria fail |

## 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.

### • calcium sulphide (EC Number: 243-873-5, CAS Number: 20548-54-3)

GB MCL index number: 016-004-00-0  
Description/Comments:  
Additional Hazard Statement(s): EUH031 >= 0.3 %  
Reason for additional Hazards Statement(s):  
20 Nov 2021 - EUH031 >= 0.3 % hazard statement sourced from: WM3, Table C12.2

### • chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>  
Data source date: 17 Jul 2015  
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

### • lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6  
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A  
Additional Hazard Statement(s): Carc. 1A; H350  
Reason for additional Hazards Statement(s):  
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html) (worst case lead compounds). Review date 29/09/2015

### • TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013  
Data source: WM3 1st Edition 2015  
Data source date: 25 May 2015  
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

### • 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

### • 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

■ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.  
Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>  
Data source date: 16 Jun 2014  
Hazard Statements: STOT SE 2; H371

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

Other worst case arsenic compounds are very soluble/exist only in solution.

### boron {boric acid; [1] boric acid; [2]}

Other worst case boron compounds react violently with water.

### cadmium {cadmium oxide}

Sulphates and chlorides very soluble, fluoride and iodide unlikely.

### calcium {calcium sulphide}

Worst case likely compound

### chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Worst case

### chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case

### copper {dicopper oxide; copper (I) oxide}

Sulphates and some chlorides very soluble, thiocyanate unlikely without high cyanide concentrations and releases toxic gas. Can consider dicopper chloride trihydroxide, copper chloride, copper dihydroxide, copper (II) oxide if industrial uses fit the profile for those better.

**lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}**

Worst Case Species

**mercury {mercury dichloride}**

Only worst case above it – difulminate – is an explosive.

**nickel {nickel(II) carbonate}**

Worst Case Species

**selenium {nickel selenate}**

Worst case

**zinc {trizinc bis(orthophosphate)}**

Worst Case Species

**sulfur {sulfur}**

Worst Case Species

**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]

## Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2024.304.6320.11573 (30 Oct 2024)

HazWasteOnline Database: 2024.304.6320.11573 (30 Oct 2024)

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

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