

## SECTION 4

### Environmental Risk Assessment





# **Environmental Risk Assessment**

**NTH SOLUTIONS LLP**

**UNIVERSITY HOSPITAL OF NORTH TEES**

**NORTH TEES AND HARTLEPOOL**

**NHS FOUNDATION TRUST**

**Osmotherley House**

**Hardwick Road**

**Stockton-on-Tees**

**TS19 8PE**



**North Tees and Hartlepool**  
NHS Foundation Trust

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Issue and Revision Record

| Revision | Date       | Originator           | Description of Changes                         |
|----------|------------|----------------------|------------------------------------------------|
| V0.1     | March 2025 | Olive Compliance Ltd | Document produced for a new Permit Application |

## **Basis of Report**

This report has been prepared by Olive Compliance Ltd with all reasonable skill, care and diligence, and taking account of the manpower and resources devoted to it by agreement with the client. Information reported herein is based on the interpretation of data collected and has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of NTH Solutions LLP – North Tees and Hartlepool NHS Foundation Trust no warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from Olive Compliance Ltd.

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## CONTENTS

|               |                                                                                 |           |
|---------------|---------------------------------------------------------------------------------|-----------|
| <b>1.0</b>    | <b>INTRODUCTION .....</b>                                                       | <b>6</b>  |
| <b>2.0</b>    | <b>SITE SETTING AND RECEPTORS.....</b>                                          | <b>7</b>  |
| <b>2.1</b>    | <b>Site Setting.....</b>                                                        | <b>7</b>  |
| 2.1.1         | Transport Infrastructure .....                                                  | 8         |
| <b>2.1.2</b>  | <b>Major Roads and Transport Links.....</b>                                     | <b>8</b>  |
| 2.1.3         | Public Footpaths, Recreational areas and Areas for Public Use (Open Space)..... | 9         |
| 2.1.4         | Flood Risk Zone .....                                                           | 10        |
| 2.1.5         | Prevailing Wind Direction .....                                                 | 10        |
| 2.1.6         | Air Quality.....                                                                | 11        |
| 2.1.7         | Geology.....                                                                    | 11        |
| 2.1.8         | Coal Mining.....                                                                | 12        |
| 2.1.9         | Hydrogeology .....                                                              | 12        |
| 2.1.10        | Hydrology.....                                                                  | 13        |
| 2.1.11        | Historical Land Use.....                                                        | 14        |
| 2.1.12        | Historical On-Site Activities.....                                              | 14        |
| 2.1.13        | Ecology.....                                                                    | 15        |
| 2.1.14        | Cultural Heritage .....                                                         | 16        |
| 2.1.15        | Permitted Waste Sites .....                                                     | 16        |
| <b>2.1.16</b> | <b>Waste Exemptions .....</b>                                                   | <b>22</b> |
| <b>2.1.17</b> | <b>Waste Carrier, Broker, Dealer .....</b>                                      | <b>22</b> |
| 2.1.18        | Registered Radioactive Substances.....                                          | 22        |
| <b>2.2</b>    | <b>Receptors.....</b>                                                           | <b>24</b> |
| 2.2.1         | Sensitive Land Use.....                                                         | 24        |
| <b>2.3</b>    | <b>Site Infrastructure for pollution control .....</b>                          | <b>26</b> |
| 2.3.1         | Wastes .....                                                                    | 26        |
| 2.3.2         | Air Emissions.....                                                              | 27        |
| 2.3.3         | Site Infrastructure Plan .....                                                  | 27        |
| 2.3.4         | Site Activities .....                                                           | 30        |

|            |                                            |           |
|------------|--------------------------------------------|-----------|
| 2.4        | Waste Treatment Process .....              | 33        |
| 2.4.1      | Bin Wash .....                             | 33        |
| 2.4.2      | Emissions to Water .....                   | 33        |
| 2.4.3      | Waste Storage Time .....                   | 34        |
| <b>3.0</b> | <b>ENVIRONMENTAL RISK ASSESSMENT .....</b> | <b>35</b> |
| 3.1        | Overview and Approach .....                | 35        |
| 3.1.1      | Identification of Hazards .....            | 35        |
| 3.1.2      | Identification of Receptors .....          | 36        |
| 3.1.3      | Identification of Potential Pathways ..... | 36        |
| 3.1.4      | Assessment of Risks .....                  | 36        |
| 3.1.5      | Controlling Risks .....                    | 37        |

## REFERENCED DRAWINGS

NTH SOLUTIONS LLP-001 SITE LOCATION PLAN

NTH SOLUTIONS LLP-002 PERMITTED SITE BOUNDARY PLAN

NTH SOLUTIONS LLP-003 SITE LAYOUT AND PROCESS PLAN

NTH SOLUTIONS LLP-004 SITE RECEPTOR PLAN

NTH SOLUTIONS LLP-005 SITE DRAINAGE PLAN

## APPENDICIES

Appendix 1 – Envirocheck Report and MAPs

Appendix 2 – Envirocheck flood map

## ENVIRONMENTAL RISK ASSESSMENT

## 1.0 Introduction

NTH Solutions LLP (NTHS) – North Tees and Hartlepool NHS Foundation Trust has instructed Olive Compliance Limited (OCL) to prepare an application for a Bespoke Environmental Permit Application for their site at Osmotherley House, Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE.

The Permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) 2016.

This ERA has been undertaken in accordance with the Environment Agency (EA) *Risk assessments for your environmental permit*<sup>1</sup> (2016) and is a simple assessment of the risks to the environment and human health from accidents, noise and fugitive emissions that may be associated with the proposed operations at the site.

The aim of the assessment is to identify any significant risks and demonstrate that the risk of pollution or harm will be acceptable by taking the appropriate measures to manage these risks.

The above guidance requires all receptors that are near the site and could reasonably be affected by the proposed activities to be identified and considered as part of the ERA.

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<sup>1</sup> <https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit>

## ENVIRONMENTAL RISK ASSESSMENT

## 2.0 Site Setting and Receptors

### 2.1 Site Setting

The site is residing inside the University Hospital of North Tees grounds and located at Osmotherley House, Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE. The surrounding area is made up with residential and commercial premises, including educational establishments.

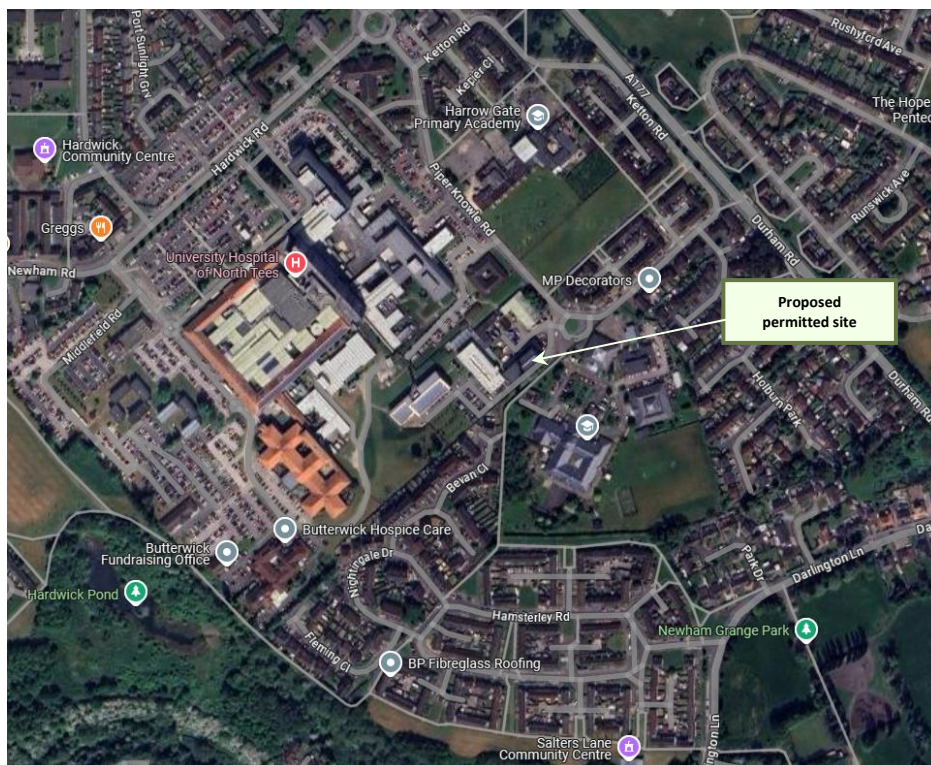
The National Grid Reference for the site is NZ 42318 21055.

A summary of the immediate environmental site setting is provided in Table 1 below and shown in Image 1 (Site Setting) and Image 2 (Site Location within the hospital grounds).

**Table 1**  
**Surrounding Land Uses**

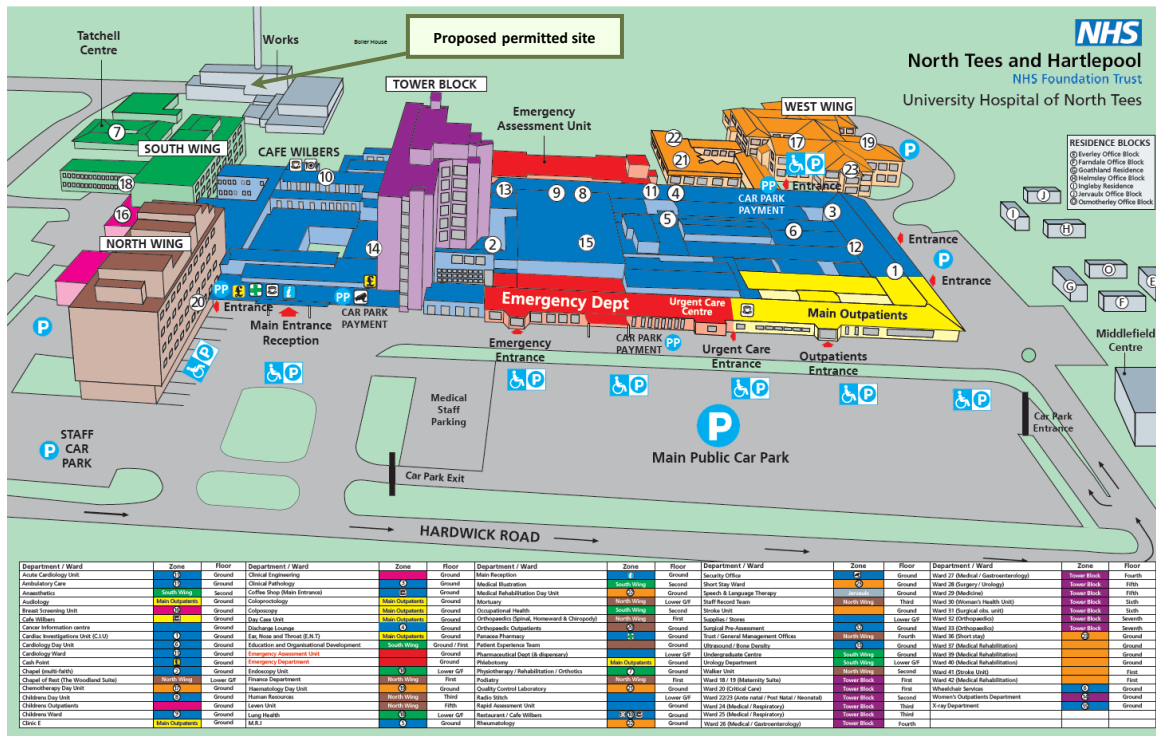
| Boundary | Description            |
|----------|------------------------|
| North    | Residential/Commercial |
| East     | Residential/Commercial |
| South    | Residential/Commercial |
| West     | Residential/Commercial |

**Image 1 – Site Setting**





### Image 2 – Site location within the hospital grounds



The hospital is accessed via Hardwick Road which leads to the public carpark. Access to the site is via Hardwick Road, through the hospital grounds to the service yard.

- Piper Knowle Road
- Hardwick Road
- Cowpen Crescent
- Jenner Drive
- Middlefield Road

There are no motorways within 1km of the site boundary. The A19 lies approximately 2.8km running east of the site.

The site location is more than 2km from Stockton Railway Station and 1.4km from the Network Rail Northern Railway Line.

ENVIRONMENTAL RISK ASSESSMENT

2.1.3 Public Footpaths, Recreational areas and Areas for Public Use (Open Space)

There are no registered parks or gardens are located within 1km of the site. Using the FootPath Map<sup>2</sup> application there are the below public use features within 1km of the site.

Image 3 - Footpaths within 1km of the site



<sup>2</sup> Map | [FootPathMap.co.uk](https://FootPathMap.co.uk) accessed October 2024

## ENVIRONMENTAL RISK ASSESSMENT

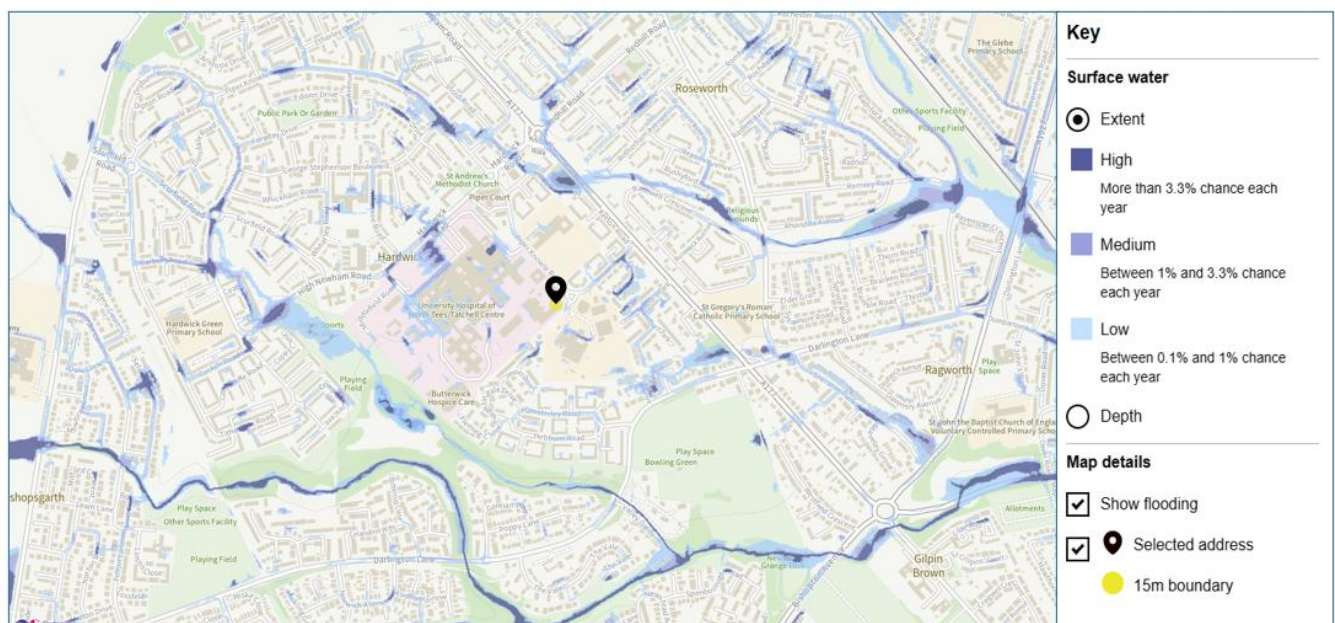
**2.1.4 Flood Risk Zone**

Checks made on the EA Long term flood risk assessment website <sup>3</sup> shows that the Site is falls within Flood Zone 1 which has a low probability of flooding. The yearly chance of flooding from surface waters, groundwater, reservoirs, rivers or the sea without defences is Very Low which means there is less than 0.1% chance of a flood each year.

This is supported by the Flood Screening Report (Envirocheck) <sup>4</sup> included as Appendix 2 of this document.

Limited potential for groundwater flooding to occur.

**Image 4 – EA Surface water map – Long Term Flood Risk**

**2.1.5 Prevailing Wind Direction**

Wind data demonstrates that the prevailing winds are largely from the west, predominately WSW; thus, odours would be expected to be transported over residential areas in the majority of cases.

Wind data demonstrates that potentially localised odours may cause a temporary nuisance, however, strict waste acceptance and storage controls in place along with daily monitoring will be carried out in accordance with this Odour Management Plan (OMP).

<sup>3</sup> Your long term flood risk assessment - GOV.UK (check-long-term-flood-risk.service.gov.uk) accessed October 2024

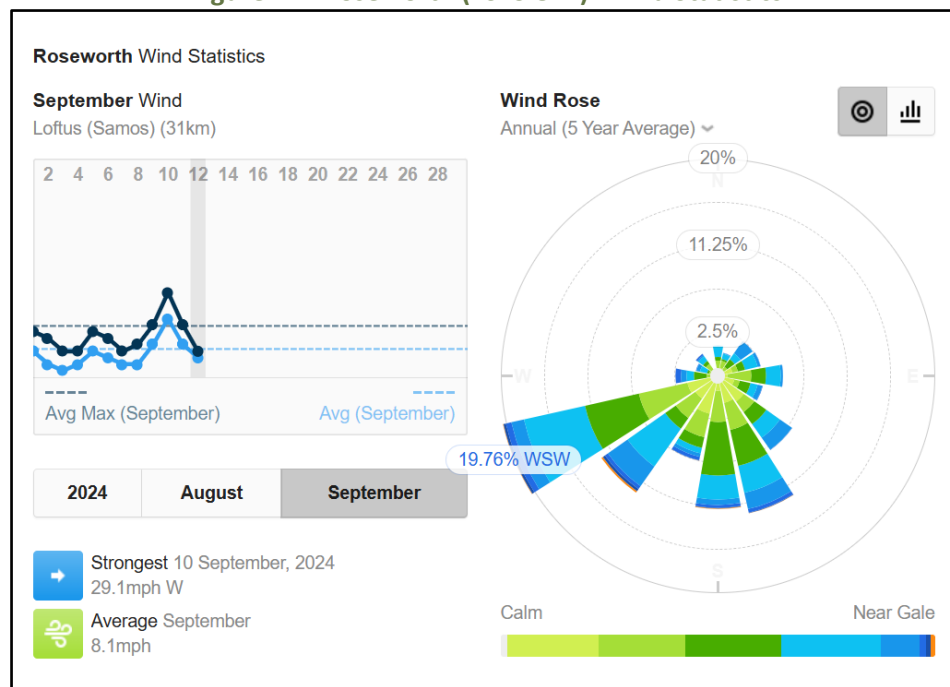
<sup>4</sup> Envirocheck Flood Screening Report – NORTH001

## ENVIRONMENTAL RISK ASSESSMENT

The waste is treated within sealed units, that are housed within a building, known as the Boiler House. The discharge from the process passes through ductwork with a condenser for each machine and HEPA filter before a short run of horizontal ductwork to fan and discharge to atmosphere.

The below diagram below shows the prevailing wind direction taken from windfinder<sup>5</sup>.

**Figure 1 – Roseworth (TS19 8PE) Wind Statistics**



### 2.1.6 Air Quality

The site is not in an air quality management zone

### 2.1.7 Geology

The British Geological Survey (BGS) identifies the site to be located upon Triassic Rocks (Undifferentiated). Rocks of Triassic (248-205 million years old) age form the bedrock to the lower section and estuary of the River Tees.

British Geological Survey, National Geoscience Information Service estimates the soil chemistry of the site location to be that of Rural Soil and Sediment. The main surface texture class is Loamy with natural impeded drainage. Historically the mainland cover was grassland and arable with some woodlands. (/Metadata\_for\_magic/Soilscape\_summary).

<sup>5</sup> [Windfinder Apps for iOS and Android - Windfinder](#) accessed September 2024

## ENVIRONMENTAL RISK ASSESSMENT

### 2.1.8 Coal Mining

The Envirocheck report shows that The Site is not located within an area which is noted to be affected by coal mining activity. There are no recorded coal mine entries known to the Coal Authority within, or within 1km of the boundary of the Site.

### 2.1.9 Hydrogeology

#### *Groundwater Vulnerability*

Source Protection Zones (SPZs) are defined for groundwater sources (e.g. wells, boreholes and springs) used for public drinking water supply. These zones show the risk of contamination from activities that might cause pollution in the area, the closer the activity to the source the greater the risk. The Site and surrounding area are not located within a SPZ.

#### **Aquifer Designation Map (Bedrock) (England)**

The site lies within the geological class of Principal Aquifer.

#### **Aquifer Designation Map (Superficial Drift) (England)**

The geological class is Secondary Undifferentiated.

#### **Groundwater Vulnerability Map (England)**

The site lies within the Superficial Aquifer classification, Medium Vulnerability, secondary aquifer.

#### **Discharges to Groundwater**

There are no discharges to groundwater within 1km of the Site recorded within the Envirocheck report.

#### **Groundwater Abstractions**

There are two groundwater abstractions listed within 1km of the Site recorded within the Envirocheck report. Refer to Table 2 – Groundwater Abstractions within 1km.



## ENVIRONMENTAL RISK ASSESSMENT

**Table 2**  
**Groundwater Abstractions within 1km**

| Operator name                     | Licence number       | Source      | Abstraction             | Location distance (m) from site                             | Date start |
|-----------------------------------|----------------------|-------------|-------------------------|-------------------------------------------------------------|------------|
| North Tees & Hartlepool NHS Trust | 1/25/04/162<br>(102) | Groundwater | Hospitals - Laundry Use | Borehole – Sherwood Sandstone – Stockton-on-Tees<br><br>95m | 18/05/2006 |
| North Tees & Hartlepool NHS Trust | 1/25/04/162<br>(101) | Groundwater | Hospitals - Laundry Use | Borehole – Sherwood Sandstone – Stockton-on-Tees<br><br>95m | 16/08/2000 |

**Groundwater Flooding**

The potential for Groundwater Flooding of occurring is very low at the location of the Site, as recorded within the Envirocheck report.

**2.1.10 Hydrology**

The nearest surface water feature is the Hardwick Pond and Bishopsgarth Beck, which runs from west to southeast and is located approximately 505 metres away.

**Table 3**  
**Local Water Courses**

| Watercourse Name                                 | Type                    | Distance (m) from site |
|--------------------------------------------------|-------------------------|------------------------|
| Bishopsgarth Beck                                | Freshwater stream/river | 505m                   |
| Elm Tree Beck                                    | Freshwater stream/river | 700m                   |
| Blue Hall Beck                                   | Freshwater Stream/river | 750m                   |
| Hardwick Beck                                    | Freshwater Stream/River | 550m                   |
| Lustrum Beck Tributary of Tees                   | Freshwater Stream/River | 920m                   |
| Billingham Beck from Brierley Beck to River Tees | Surface Water           | 990m                   |

## ENVIRONMENTAL RISK ASSESSMENT

**Discharge consents**

Envirocheck report <sup>6</sup>records that there has been seven discharge consents identified within 1km of the site, with only four active discharge consents. All are associated with the main water and sewerage services provider, Northumbrian Water Limited and listed within 1km of the Site recorded within the Envirocheck report. All active discharges are released into a Freshwater Stream/River, as authorised.

**2.1.11 Historical Land Use**

The site lies within an area of adopted green belt/rural land.

North Tees General Hospital was built in phases:

- First phase – including a maternity department, approximately 50 mental-illness beds and a day hospital. Construction started in 1965 with completion in 1968.
- Second phase - comprising 440 acute beds, a further 132 mental-illness beds and an accident and emergency department. Construction started in 1969 and was completed in 1974.
- In 2001 the hospital became known as the University Hospital of North Tees.

Envirocheck Historical Ordnance Survey maps are included in Appendix 1 of this report.

**2.1.12 Historical On-Site Activities**

Limited historical activities that have occurred on-site are summarised in Table 4 below.

**Table 4 : Historic onsite land use**

| Year             | Owner             | Activity                |
|------------------|-------------------|-------------------------|
| 1856 (Yorkshire) | Unknown           | Green belt/Rural        |
| 1859 (Durham)    | Smurthwaites      | Green Belt/Rural        |
| 1895-1899        | Unknown           | Green belt/Rural        |
| 1923 (Durham)    | Unknown           | Green belt/Rural        |
| 1931 (Yorkshire) | Unknown           | Green belt/Rural        |
| 1938-1939        | Piper Knowle Farm | Agricultural/Rural Land |

<sup>6</sup> Envirocheck ® Report NORTH001

## ENVIRONMENTAL RISK ASSESSMENT

|                             |                   |                                                                 |
|-----------------------------|-------------------|-----------------------------------------------------------------|
| 1938 (Yorkshire)            | Piper Knowle Farm | Agricultural/Rural Land                                         |
| 1954 (Ordnance Survey)      | Piper Knowle Farm | Agricultural/Rural Land                                         |
| 1965 (Ordnance Survey)      | Hospital          | Industrial surrounded by commercial/residential                 |
| 1973-1976 (Ordnance Survey) | Hospital          | Industrial surrounded by commercial/residential                 |
| 1975 (Middlesbrough)        | Hospital          | Industrial surrounded by commercial/residential                 |
| 1984-1985 (Ordnance Survey) | Hospital          | Industrial surrounded by commercial/residential                 |
| 1991 (Middlesbrough)        | Hospital          | Industrial surrounded by commercial/residential                 |
| 2000 (Raster Mapping)       | Hospital          | Industrial surrounded by commercial/residential/schools/hospice |
| 2024 (VectorMap Local)      | Hospital          | Industrial surrounded by commercial/residential/schools/hospice |

### 2.1.13 Ecology

A search was conducted on the magic map application and information sourced from the Envirocheck report shows in Table 5 the below sites of ecological importance are within 1km of the site. A habitats assessment has been conducted in relation to these receptors including an external Ecology Survey.

**Table 5 – Sites of Ecological Importance**

| Site Name                         | Designation                                               | Approximate distance (km) |
|-----------------------------------|-----------------------------------------------------------|---------------------------|
| Hardwick Dene & Elm Tree Woodland | Priority Habitat Inventory - Deciduous Woodland (England) | 401m                      |
| Hardwick Dene & Elm Tree Woodland | Local Nature Reserve                                      | 470m                      |
| Hardwick Pond                     | N/A                                                       | 487m                      |
| Pyramid Park                      | Doorstep Greens (England)                                 | 510m                      |
| Hardwick Dene Nature Reserve      | N/A                                                       | 653m                      |



## ENVIRONMENTAL RISK ASSESSMENT

|                                   |                                                                 |      |
|-----------------------------------|-----------------------------------------------------------------|------|
| Hardwick Dene & Elm Tree Woodland | Priority Habitat Inventory -<br>Deciduous Woodland<br>(England) | 803m |
|-----------------------------------|-----------------------------------------------------------------|------|

### 2.1.14 Cultural Heritage

Searches on the MAGIC website<sup>7</sup> confirm that there are none of the following within 1km of the application site:

- National Trust Properties
- Registered Battlefields; and
- Scheduled Ancient Monument.

It is considered that the identified surrounding receptors will not be affected by the activities proposed at the site.

### 2.1.15 Permitted Waste Sites

The Envirocheck report suggests there are no records of historic or active landfills located within 1km of the site.

**Table 6**  
**Permitted Waste Treatment & Transfer Stations**  
**and Licensed & Historical Landfill Sites**

| NGR                                      | Site Name & Licence Number               | Details                                                                         | Waste Type                                             | Date                  | Distance (m) from site |
|------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|------------------------|
| 442218<br>521879                         | <b>JEWSON LIMITED</b><br><br>EAWML/66066 | Jewson Builders Merchants, Junction Road, Stockton On Tees, Cleveland, TS19 9PB | Household, Commercial And Industrial Transfer Stations | Issued:<br>25/07/2002 | 739m                   |
| <b>Stockton on Tees Unitary Council</b>  |                                          |                                                                                 |                                                        |                       |                        |
| <b>Local Authority Landfill Coverage</b> |                                          |                                                                                 |                                                        |                       |                        |

<sup>7</sup> [MAGIC \(defra.gov.uk\)](https://defra.gov.uk) accessed September 2024

## ENVIRONMENTAL RISK ASSESSMENT

| NGR              | Site name              | Details                                                      | Activity Type                                      | Date       | Distance (m) from site |
|------------------|------------------------|--------------------------------------------------------------|----------------------------------------------------|------------|------------------------|
| 442242<br>520566 | <b>Local Authority</b> | Unknown Filled Ground (Pit, quarry etc)                      | Potentially infilled land (non-water) Unknown fill | Used: 1985 | 259m                   |
| 442393<br>520904 | Local Authority        | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b>           | Used: 1860 | 0m                     |
| 442115<br>520815 | Local Authority        | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b>           | Used: 1954 | 66m                    |
| 442077<br>520934 | Local Authority        | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b>           | Used: 1939 | 78m                    |
| 441986<br>520974 | Local Authority        | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b>           | Used: 1860 | 159m                   |
| 442010<br>520851 | Local Authority        | Unknown Filled Ground (Pond, marsh,                          | <b>Potentially Infilled Land (Water)</b>           | Used: 1954 | 161m                   |

## ENVIRONMENTAL RISK ASSESSMENT

|                  |                 |                                                                                   |                                              |            |      |
|------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------------------------|------------|------|
|                  |                 | river,<br>stream,<br>dock etc)                                                    |                                              |            |      |
| 442578<br>521317 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 240m |
| 441796<br>521005 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 337m |
| 441734<br>521082 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 383m |
| 441674<br>521150 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 437m |
| 442782<br>521466 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 488m |

## ENVIRONMENTAL RISK ASSESSMENT

|                  |                 |                                                              |                                          |            |      |
|------------------|-----------------|--------------------------------------------------------------|------------------------------------------|------------|------|
| 441753<br>520550 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1860 | 506m |
| 442918<br>521299 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1939 | 515m |
| 441734<br>521524 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 534m |
| 441559<br>520985 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 573m |
| 442894<br>520564 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 583m |
| 442434<br>521727 | Local Authority | Unknown Filled Ground (Pond, marsh,                          | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 600m |

## ENVIRONMENTAL RISK ASSESSMENT

|                  |                 |                                                                                   |                                              |            |      |
|------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------------------------|------------|------|
|                  |                 | river,<br>stream,<br>dock etc)                                                    |                                              |            |      |
| 442363<br>521733 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 602m |
| 443102<br>520860 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 703m |
| 443102<br>521576 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1939 | 807m |
| 442768<br>520143 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 807m |
| 441377<br>521545 | Local Authority | Unknown<br>Filled<br>Ground<br>(Pond,<br>marsh,<br>river,<br>stream,<br>dock etc) | <b>Potentially Infilled Land<br/>(Water)</b> | Used: 1954 | 836m |

## ENVIRONMENTAL RISK ASSESSMENT

|                  |                 |                                                              |                                          |            |      |
|------------------|-----------------|--------------------------------------------------------------|------------------------------------------|------------|------|
| 441451<br>520404 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 840m |
| 441826<br>520050 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 847m |
| 441436<br>520397 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 857m |
| 441804<br>520017 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 886m |
| 443375<br>521107 | Local Authority | Unknown Filled Ground (Pond, marsh, river, stream, dock etc) | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 943m |
| 441371<br>520332 | Local Authority | Unknown Filled Ground (Pond, marsh,                          | <b>Potentially Infilled Land (Water)</b> | Used: 1954 | 945m |

## ENVIRONMENTAL RISK ASSESSMENT

|                  |                                                                                                    |                                                                     |                                                                                                                                                                                                                                                                                |                                          |    |
|------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----|
|                  |                                                                                                    | river,<br>stream,<br>dock etc)                                      |                                                                                                                                                                                                                                                                                |                                          |    |
| 442300<br>521000 | <b>North Tees Health Authority</b><br><br><b>CLE 241/1</b><br><br>Less than 10,000 tonnes per year | North Tees General Hospital, Harwick, STOCKTON, Cleveland, TS19 8PE | <b>Authorised waste - Clinical</b> – As in Collection/Disposal Regulations 1988. Maximum Incineration Rate. Untreated Household/Commercial. From Hospitals<br><br><b>Prohibited Waste –</b> Organic Peroxides<br>Other Halog. Organics (Chlor. Dioxin Etc. PCB'S And Analogues | <b>Licence Surrendered</b><br>23/03/1992 | 0m |

**2.1.16 Waste Exemptions**

There are seven companies with registered waste exemptions within 1km of the site.

After a review of the registered exemptions there is no posed risk to the activities proposed on site.

**2.1.17 Waste Carrier, Broker, Dealer**

NTHS is a registered waste carrier, under the business name North Tees & Hartlepool Solutions LLP (NTHS). Registration number CBDU269920 registered 23/12/2024 with an expiry date 09/01/2028.

**2.1.18 Registered Radioactive Substances**

A list registered radioactive substances have been identified, within 1km of the Site and recorded within the Envirocheck report as displayed in chronological order, see below, Table 7 – Registered Radioactive Substance.

## ENVIRONMENTAL RISK ASSESSMENT

Table 7 – Registered Radioactive Substances

| NGR              | Site Name & Licence/Permit Number                          | Details                                                                                                                                                                                    | Date                  | Distance (m) from site |
|------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>CA9856 | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Application has been authorised and any conditions apply to the Operator.          | Issued:<br>21/12/2006 | 0m                     |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>By6958 | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation.            | Issued:<br>18/01/2005 | 0m                     |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>Bw4997 | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation.            | 01/12/2003            | 0m                     |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>Br6538 | Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1).<br><br><b>Status:</b> Application has been authorised and any conditions apply to the operator. | 09/05/2002            | 0m                     |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>Br6520 | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation.            | 09/05/2002            | 0m                     |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>Bj4043 | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation.            | 21/11/200             | 0m                     |



## ENVIRONMENTAL RISK ASSESSMENT

|                  |                                                              |                                                                                                                                                                                 |              |    |
|------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----|
| 442318<br>521050 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>BF8828   | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Application withdrawn by the Operator.                                  | 21/04/1999   | 0m |
| 442318<br>521050 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>AT3396   | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation either revoked or cancelled.                              | 15/05/1996   | 0m |
| 442318<br>521060 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>AJ8419   | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation. | 17/02/1994   | 0m |
| 442318<br>521055 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>AJ8699   | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation superseded by a substantial or non-substantial variation. | 31/03/1991   | 0m |
| 442313<br>521045 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>AC0176   | Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7).<br><br><b>Status:</b> Authorisation either revoked or cancelled.                              | 31/03/1991   | 0m |
| 442299<br>521123 | <b>North Tees &amp; Hartlepool NHS Trust</b><br><br>WB3435DQ | Not supplied.<br><br><b>Status:</b> Application has been determined by the EA.                                                                                                  | Not supplied | 0m |

## 2.2 Receptors

### 2.2.1 Sensitive Land Use

The below table (Table 8) shows the receptors that could potentially be affected by activities on site within 2km of the site boundary.

Sensitive receptors considered include:

## ENVIRONMENTAL RISK ASSESSMENT

- Local schools, hospitals, nursing and care homes, residential areas, workplaces
- Local protected sites and species
- Local factories and other businesses
- Footpaths, public green space
- Homes, or groups of homes (such as villages or housing developments)
- Playing fields and playgrounds

The site is located within a largely residential area with retail and commercial businesses carrying out varying activities.

Table 8 below identifies the receptors.

**Table 8 – Sensitive Receptors**

| Receptor                                        | Distance (m) | Contact Telephone Number |
|-------------------------------------------------|--------------|--------------------------|
| Residential Properties                          | 50m          | N/A                      |
| Abbey Hill Academy and Technology College       | 70m          | 01642 677113             |
| Harrow Gate Primary Academy                     | 97m          | 01642 673984             |
| MP Decorators                                   | 152m         | 07919 651403             |
| Butterwick Hospice Care                         | 325m         | 01642 607742             |
| Salters Lane Community Centre                   | 353m         | 01642 617985             |
| Bowling Green                                   | 380m         | 01642 554025             |
| Hardwick Dene Woodland, Pond and Nature Reserve | 401m         | 01287 636382             |
| Care Home Management – Nursing Home             | 442m         | 01642 611437             |
| St Gregory's Roman Catholic School              | 442m         | 01642 672262             |
| Sports Centre (The Reform Lab) & Playing Field  | 443m         | 07359 493806             |
| Heron Foods                                     | 508m         | 0345 6037300             |
| Starbucks (Milehouse Pub)                       | 513m         | 01642 670697             |
| Hardwick Community Centre                       | 529m         | 01642 800133             |
| The Fry Guys - Takeaway                         | 533m         | 01642 672536             |
| Mister Twister Balloon Parties                  | 550m         | 07974 101554             |
| Fairfield Plasterers                            | 572m         | 07973 509108             |

## ENVIRONMENTAL RISK ASSESSMENT

|                                                                     |      |              |
|---------------------------------------------------------------------|------|--------------|
| Roseworth Lodge Care Home                                           | 590m | 01642 606497 |
| The Hope Centre – Elim Pentecostal Church                           | 609m | 07879 466062 |
| Pharmacy World                                                      | 720m | 01642 677999 |
| The Vale Good Companion Puppy & Dog Training School                 | 741m | 01642 891984 |
| Elm Tree Woodland & Walkway - Nature Reserve<br>(The Hub – Travel)  | 780m | 01642 617672 |
| Hardwick Green Primary School                                       | 818m | 01642 677968 |
| Newham Grange Park                                                  | 837m | 01642 526871 |
| Roseworth Wild Meadow                                               | 846m | 01642 733906 |
| Hardwick Baptist Church                                             | 847m | 01642 612785 |
| Whitehouse Primary School                                           | 903m | 01642 678212 |
| Elm Tree Community Centre                                           | 950m | 01642 611333 |
| Bishopsgarth Park & Play Area<br>(Stockton-on-Tees Borough Council) | 980m | 01642 391959 |
| Redbrook Play Area<br>(Stockton-on-Tees Borough Council)            | 987m | 01642 391959 |
| Durham Road Cemetery<br>(Stockton-on-Tees Borough Council)          | 996m | 01642 527341 |

## 2.3 Site Infrastructure for pollution control

### 2.3.1 Wastes

The list of EWC waste types proposed for the new permit are as follows:

- 18 01 03\* - wastes whose collection and disposal is subject to special requirements in order to prevent infection
- 18 01 04 - wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)

**ENVIRONMENTAL RISK ASSESSMENT**

- 18 02 02\* - wastes whose collection and disposal is subject to special requirements in order to prevent infection
- 18 02 03 – wastes whose collection and disposal is not subject to special requirements in order to prevent infection

All wastes produced from the waste activities on site are controlled by procedure Waste Management Procedures NTEES Env 222 SOP (WTP) – Waste Storage Procedure and NTEES Env 219 SOP (WTP) – Waste Handling and Transfer.

All waste that is disposed of or recycled is managed by a competent waste management contractor via registered waste carriers and licensed disposal/recycling sites. All waste management operations are subject to the Environment Agency auditing.

**2.3.2 Air Emissions**

There is one point source emission, a steam ventilation point. Refer to Site Layout & Process Plan (NTH SOLUTIONS LLP-003 SITE LAYOUT AND PROCESS PLAN)

**2.3.3 Site Infrastructure Plan**

The Site Layout & Process Plan (NTH SOLUTIONS LLP-003 SITE LAYOUT AND PROCESS PLAN) contains details of the following:

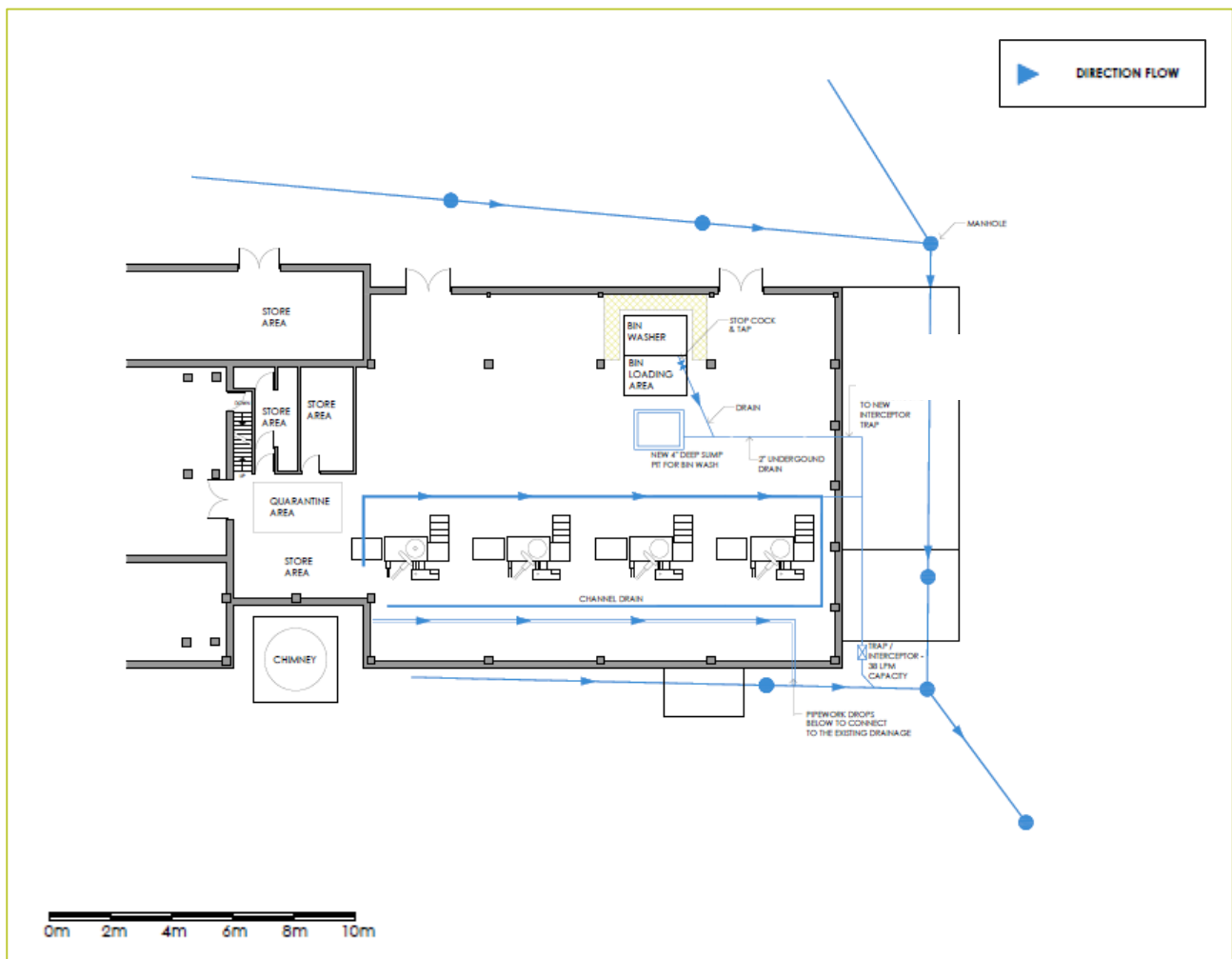
- Buildings and external yard
- Storage facilities for hazardous materials
- Storage of waste materials
- Storage of dirty bins/carts
- Storage of clean bins/carts
- Emergency arrangements (spill kits etc.)
- Entrances and exits that can be used by the emergency services
- All points designated to pollution control (inspection/monitoring points/ emergency valves)
- Trade effluent discharge point

**2.3.4 Drainage and Site Surfacing**

The site benefits from a comprehensive drainage system. Drainage for foul and combined is marked on the drainage plan (NTH SOLUTIONS LLP 005 SITE DRAINAGE PLAN) in red and surface water is marked in blue, showing the direction of flow, location of discharge points, the interceptor location, the trade effluent discharge point manhole covers/drains and the location of stop/diverter valves. The plan also shows the location of manhole covers/drains, bin washing water discharge/catchment sump.

## ENVIRONMENTAL RISK ASSESSMENT

Image 5 –Site Drainage System (Internal &amp; External)



### 2.3.5 Odour Management Plan

An Odour Management Plan, OMP-NTH Solutions LLP (Ref. NTEES Env 145 Plan (WTP) – Odour Management) has been included as part of this permit application. Odour management is regularly reviewed by the Environment Agency as part of exiting permit arrangements.

### 2.3.6 A Changing Climate

Risk Assessment policies and procedures outlined in Section 6, which are driven by relevant UK Legislation, require all significant EHS risks affecting the business be identified, assessed and either eliminated, or adequately controlled/ mitigated against. Risk assessments, therefore, cover any significant and foreseeable EHS risks that maybe caused or exasperated by climate change on an ongoing basis.

## ENVIRONMENTAL RISK ASSESSMENT

### 2.3.7 Complaints Procedure

As part of the site's EMS system, the site has robust complaints procedures which are used to investigate all complaints received, including complaints in relation to environmental performance and the environmental permit. Ref: Complaints Management Procedure refer to NTEES Env 174 SOP (WTP) – Complaints Management.

### 2.3.8 Managing Staff Competence/Training & Records

Manning levels at the facility are adequate to safely run a daily operation and the site will be regularly reviewed by the Environment Agency as part of the existing permit arrangements.

Documented procedural arrangements including technical competence and responsibilities are managed under the EMS system, Ref: Documented Information Control Procedure NTEES Env 177 SOP (WTP) – Document Control Information.

### 2.3.9 Accident Management Plan

The management system identifies plans for dealing with incidents or events that could result in pollution or permit non-compliance and identifies foreseeable potential events. An overview of the arrangements can be found in the NTEES Env 117 (WTP) – Environmental Management System Manual. References within the management system include but are not limited to NTEES Env 166 SOP (WTP) – Accident Management, NTEES Env 179 SOP (WTP) – Emergency Response, NTEES Env 189 SOP (WTP) – Incident Reporting, NTEES Env 188 SOP (WTP) – How to Make a RIDDOR Report and NTEES Env 166 SOP (WTP) – Accident Management

Accident prevention and management plans will be regularly reviewed by the Environment Agency as part of the permit regulation.

### 2.3.10 Contingency Plans

The management system takes into account foreseeable deviations and manages appropriate contingencies and includes breakdowns, enforced shutdowns and other changes to normal operations. An overview of the procedures can be found in the Environmental Management System Manual (NTEES Env 117 (WTP)), and further details can be found in the NTEES Env 143 Plan (WTP) – Emergency Action and NTEES Env 140 Plan (WTP) – Accident & Incident. Contingency plans will be monitored regularly by the Environment Agency under the permit.

Security and contingencies are dealt with via internal security and comply to the Trust's standards. CCTV cameras are positioned around the external yard.

### 2.3.11 Maintenance

The Trust's inhouse Engineering & Maintenance Team will carry out basic repairs. NHT Solutions LLP (NHTS) will be responsible for determining a maintenance strategy. NTHS will be supported by the supplier of the

## ENVIRONMENTAL RISK ASSESSMENT

machinery, Purawave as well as their external contractor Geoffrey Robinson PLC, who will aim to reduce process risk caused by failure.

The Engineering & Maintenance Team will consult their external contractor Geoffrey Robinson PLC and Purawave, along with the legal requirements, manufacturer's data, engineering, trade association standards and the results of process risk assessments to both plan and execute a planned/condition-based maintenance program within NHTS to meet these requirements. This will include risk-based inspections, maintenance and the planned/condition-based replacement of parts before breakdown occurs.

Purawave is a substantial entity and provides full back up of spares, training and support. Planned maintenance will be undertaken during the week and if necessary, over a weekend. When required, it is the intention that every item on the machine will be changed out by spare part, with a motor change occurring every 2 to 3 years.

In addition to this, the Engineering & Maintenance Team will be responsible for ensuring that adequate safe systems/strategies have been developed for foreseeable breakdowns and equipment malfunctions. This will involve measures to reduce both the process risks and the general EHS (environment, health and safety) risks involved. Such strategies and controls systems will be communicated with staff and other departments (NHS Trust) as necessary for incorporation into plant safe systems of work (SOPs, PWIs & RAMs).

The NTHS Operations Manager will ensure that the Engineering & Maintenance Team has adequate access to assets via whole/part plant shutdowns and/or access to individual assets as necessary to fully implement the NTHS process maintenance program.

Policy Process Safety Management Document (NTEES Env 152 Policy (WTP) – Process Safety Management) underpins all maintenance activities, safety, risk assessment and recording on site.

### 2.3.4 Site Activities

The site operates according to the hours stated below:

|                      |               |
|----------------------|---------------|
| Monday to Friday:    | 07:00 – 17:00 |
| Saturday-Sunday:     | Closed        |
| Bank/Public Holiday: | Closed        |

Waste is received and treated separately in Sterilwave units. All waste will be shredded inside the unit and hazardous loads will be disinfected using microwaves. A floc classified as Refuse Derived Fuel (RDF) will be produced. The RDF will be stored within a 15-tonne compactor before being transported off site.

The facility will also house a purpose designed hot water wash to clean the bins before their return to the hospital or relevant providers.

The Sterilwave machines are fitted with the correct lift and tip units needed for the 770litre bins used by NHTS.

There are specific waste streams which would not be eligible for this disposal method. These include:

- Anatomical
- Highly Infectious
- Sharps

## ENVIRONMENTAL RISK ASSESSMENT

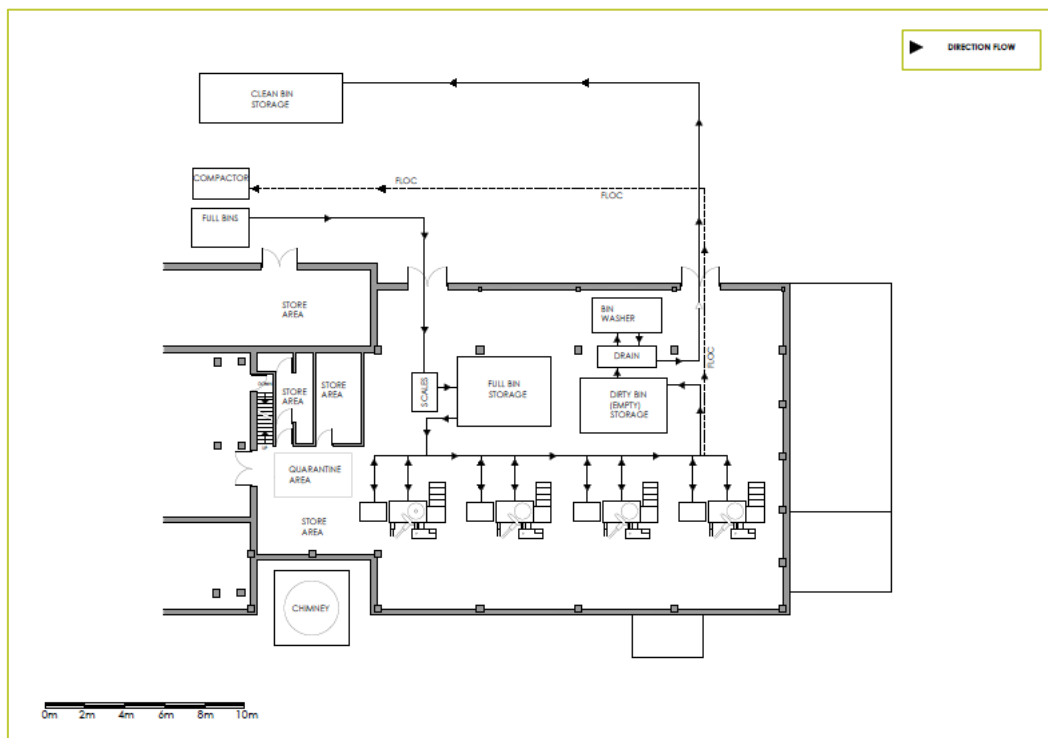
- Cytotoxic/Cytostatic
- Pharmaceutical

These waste streams will be collected and transferred separately by a contracted clinical waste disposal company.

The Sterilwave machine is the principle equipment to be utilised for the safe processing and sterilisation of clinical waste. The process is safe, effective, certified and straightforward. The equipment also includes a lifting device for 770 litre bins thereby enhancing safety standards by addressing musculoskeletal issues from manual handling.

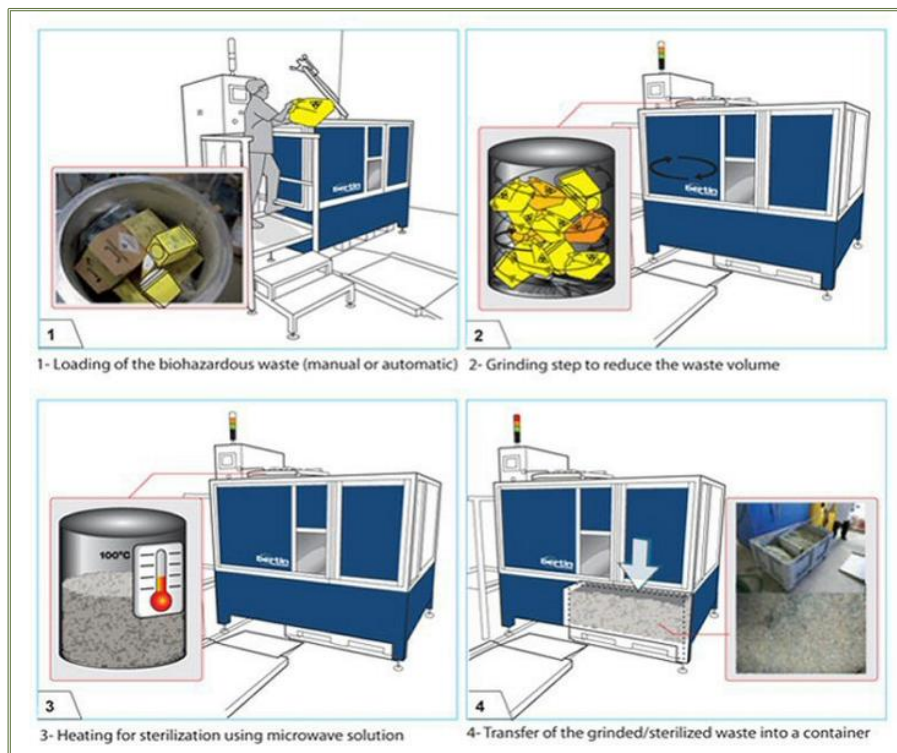
Image 6 – Plant Layout below shows the location of the Sterilwave machines (units), bin washing & clean bin storage, waste storage areas and weighing/scales location (NTH SOLUTIONS LLP-003 SITE LAYOUT AND PROCESS PLAN).

**Image 6 – Plant Layout**





## ENVIRONMENTAL RISK ASSESSMENT

**Image 7 – Diagram of Sterilwave SW 440HP unit & stages of treatment**

The waste is mechanically pulverised by rotary blades and is subjected to microwaves to provide certainty of sterilisation to both EU and UK standards. A sterilisation cycle takes a maximum of 32 minutes.

**Image 8 – Sterilwave SW 440HP unit & Sterilised waste (RDF)**

## ENVIRONMENTAL RISK ASSESSMENT

## 2.4 Waste Treatment Process

The Sterilwave machines will safely process and sterilise the clinical waste streams accepted on site, using microwave technology. All waste treated by the Sterilwave system will become EWC 19 12 10 combustible waste (Refuse Derived Fuel – RDF). This waste is in the form of sterile flock material and can be tipped into a 15-tonne compactor unit for collection by a third-party waste contractor. The waste flock is unrecognisable as medical origin waste and can be designated as a Recycled Derived Fuel (RDF) with a Calorific Value (CV) of approximate 14MJ/KG. The intention is to ensure that the flock is used to feed energy from waste plants (such as cementation plants and specially adapted and licensed R1 plants) or in Biomass Plants in the UK. This waste, once processed and sterile, can also be taken to any permitted landfill or municipal waste incinerator.

### 2.4.1 Bin Wash

The facility will house a bin wash machine, with a wash chamber to accommodate 1 x 770 litre bin per cycle, with a maximum of 8 x bin washes per hour dependent on the degree and type of contamination. Each machine cycle consists of:

- Recirculated time variable hot water chemical wash at 50-60°C
- A powered hot water rinse operating at 85°C AND/OR a mains water rinse + sanitiser chemical additive

The machine operation is an automatic process which includes the following stages:

1. Operator wheels bin into position at load station and resets safety light curtain
2. Operator selects wash time and presses start cycle button
3. Bin will load into machine and door closes
4. Bin washed on EXTERNAL and INTERNAL surfaces
5. Bin rinsed with hot water AND/OR ambient chemical sanitised water
6. Door opens, and bin is unloaded from machine
7. Operator removes bin from the load station

The operator will transfer the clean bin onto the 'drip/dry' area before being transferred to the clean bin storage area.

### 2.4.2 Emissions to Water

The only discharges to the drainage system for surface water is clean and uncontaminated rainwater collected from roofs and clean uncontaminated impermeable surfaced exterior areas of the site.

The containment measures in place at the site are described within the Emissions Monitoring Plan document (NTEES Env 147 Plan (WTP) – Site Emission Management). These will ensure there are no fugitive emissions to surface water.

There is no actual discharge from the Sterilwave machine cycle to the foul sewer.

Approximately 2500 litres will be discharged over 16 hours per day; this will come from normal wash down activities and the bin wash machine. It is estimated that the stand-alone bin washer water, approximately 600 litres, will be changed daily with an auto detergent mix being injected as required. The detergents used are industry and environmentally approved.

## ENVIRONMENTAL RISK ASSESSMENT

A trade effluent discharge onsite is permitted in accordance with a discharge consent agreed between the site and Northumbrian Water Limited (NTEES Env-Consent to the Discharge of Trade Effluent\_T1960). The trade effluent is discharged to the Company's public combined sewer (pipeline reference: NZ42205910) as shown in the site's drainage plans. (Ref. NTH SOLUTIONS LLP-005 SITE DRAINAGE PLAN)

**Maximum quantity of discharge**

The maximum amount of trade effluent to be discharged during any one period of 24 hours shall not exceed 2m<sup>3</sup>. Please refer to NTEES Env-Consent to the Discharge of Trade Effluent\_T1960.

**Maximum rate of discharge**

The maximum rate of discharge shall not exceed 4 litres per second.

**Temperature**

No trade effluent shall be discharged with a temperature higher than 43 degrees Celsius.

**pH Value**

No trade effluent shall be discharged having a pH value of less than 6 or greater than 10

Any constituents excepting the following not exceeding the concentrations stated below:

**Table 10 – Trade Effluent Limits**

| <b>Constituents</b>                                       | <b>Limit<br/>(milligrams per litre)</b> | <b>When<br/>expressed as</b> |
|-----------------------------------------------------------|-----------------------------------------|------------------------------|
| Total Chemical Oxygen Demand (Dichromate Value)           | 1,500                                   | O <sub>2</sub>               |
| Suspended solids dried at 105°C                           | 750                                     | -                            |
| Non volatile matter extractable by 40/60 petroleum spirit | 200                                     | Oil & Grease (O&G)           |
| Nitrogen Ammoniacal                                       | 15                                      | as N                         |
| Cobalt thiocyanate active substances                      | 100                                     | -                            |
| Detergent Anionic                                         | 100                                     | -                            |
| Sulphide                                                  | 0.2                                     | -                            |

NTHS records the daily discharge volumes, flow rates, nature and composition of the effluent discharged. The monitoring data is submitted to Northumbrian Water Limited at the end of each quarter.

**2.4.3 Waste Storage Time**

Waste streams are stored in locked bins/carts. Storage timescales will be dependent upon the type of wastes being stored.

The following waste types accepted on site will be stored for a maximum of up to 7 days if stored outside in the external yard, or up to 14 days if stored in the building:

- infectious clinical waste
- offensive waste

## ENVIRONMENTAL RISK ASSESSMENT

- treated waste from alternative treatment plant (for example, autoclave floc)

NTH Solutions LLP will prioritise the treatment or off-site transfer of waste based on:

- its type
- age on arrival (if known)
- date of arrival
- duration of storage on site

and follow the first-in, first-out principle and will also identify and prioritise wastes with a higher risk of causing odour, litter or pest problems.

### 2.4.3 Noise Risk

There is no associated noise risk in relation to the Sterilwave machines. The treatment and process equipment are housed within the bespoke Sterilwave unit and located within the building. The equipment has been designed in accordance with European noise standards; Purawave will carry out regular preventative maintenance in accordance with the manufacturer's requirements.

NTHS considers it highly unlikely that the activities on site will give rise to noise or vibration nuisance at the site boundary.

## 3.0 Environmental Risk Assessment

### 3.1 Overview and Approach

This section outlines the procedure that has been followed in the undertaking of the ERA for the site. The results are presented, in accordance with the EA Guidance, in the tables presented in Section 3.2.

#### 3.1.1 Identification of Hazards

The first step of an ERA is to consider and identify the risks posed to the environment by the activities proposed for a site.

The EA Guidance states that an operator must:

*"... identify whether any of the following risks could occur and what the environmental impact could be:*

- *any discharge, for example sewage or trade effluent to surface or groundwater*
- *accidents*
- *odour (not for standalone water discharge and groundwater activities)*

## ENVIRONMENTAL RISK ASSESSMENT

- *noise and vibration (not for standalone water discharge and groundwater activities)*
- *uncontrolled or unintended (fugitive') emissions, for which risks include dust, litter, pests and pollutants that shouldn't be in the discharge*
- *visible emissions, e.g. smoke or visible plumes."*

### 3.1.2 Identification of Receptors

Section 2 of this document describes the site setting and the land uses in the vicinity of the proposed site.

This information has been used in order to focus on the main receptors that could be potentially at risk from the activities of the site.

Using the information gathered from the stated sources, the receptors considered for assessment within the ERA are defined in Tables 5 & 8.

In accordance with the EA Guidance, Drawing 004 presents a map showing the location of the site and the receptors considered within the ERA.

### 3.1.3 Identification of Potential Pathways

For each of the identified hazards for operation of the site, the ERA has considered that pathways through which each hazard may impact on a sensitive receptor. Where such pathways exist, the risks of potentially significant impacts have been assessed in accordance with Sections 3.1.4 and 3.1.5 below.

Where no pathway exists between an identified hazard and an identified receptor, the associated risks are not considered further within the ERA and are, thus, not included in Section 3.2.

### 3.1.4 Assessment of Risks

The EA Guidance states that the nature of the ERA will be influenced by the type of activity (or activities) that are proposed for a site. For installations/waste operations, the ERA is required to consider, "...one or more of the following, depending on the substances you discharge and where they're discharged to:

- *assess the risks of your air emissions*
- *calculate the global warming impact of your air emissions*
- *assess risks to groundwater*
- *assess risk to groundwater from landfill leachate*
- *assess risks to surface water from hazardous pollutants*
- *assess risks to surface water from sanitary and other pollutants"*

## ENVIRONMENTAL RISK ASSESSMENT

For installations and waste operations, an operator is also required to decide how to treat, recycle or dispose of waste. The ERA has therefore included consideration of the environmental impact of the ultimate fate of the materials that will be processed by the proposed activities of the site.

### 3.1.5 Controlling Risks

The EA Guidance states:

*“You’ll need to show how you’re managing any risks appropriately by controlling and monitoring your emissions and through your management system.”*

Where an ERA identifies risks that are potentially significant, the ERA is required to demonstrate how the risk of pollution or harm can be mitigated by measures to manage these risks. The approach undertaken to the implementation of management/mitigation measures, for this ERA, is (in order of preference):

- Avoidance/prevention
- Minimisation/management
- Mitigation; and
- Offset/compensation.

NHTS recognize that there are certain risks associated with the reception and storage of waste. These include:

- **Moving vehicles** – Vehicles will only be off-loaded in designated areas. Personal Protective Equipment (PPE) will be worn at all times. Only competent persons will act as banksmen.
- **Working at height** – It is not anticipated that staff/drivers will require to work at height. However, if required only competently trained staff will carry out duties at a height and only drivers will access the top floor of double deck vehicles. PPE will be worn at all times. Drivers must use tail lift gates, straps and flaps during off-loading (if applicable).
- **Manual handling** – Operatives will be trained in manual handling. Ensure that exceptionally heavy bins/carts are reported and seek assistance to move them where required. Where loose waste handling is required, operatives will be trained in loose waste handling. Each Sterilwave machine has a lifting device for 770 litre bins thereby enhancing safety standards by addressing musculoskeletal issues from manual handling.
- **Needle stick injuries** – When handling loose waste the loose waste handling instructions will be adhered to. NHTS will ensure that PPE including needle stick gloves is worn.
- **Spillage or leak of waste** – All vehicles are checked for leaks or spillages, and that loose waste is handled carefully during transfer. Any spillages are cleaned up promptly in accordance with the spill response procedures (NTEES Env 226 SOP (WTP) – Spillage Response Procedure).
- **Infection** – Wastes handled by the NHTS staff carry the risk of infection because they may contain dangerous pathogens, viruses or bacteria. NHTS will ensure that the appropriate PPE (e.g. gloves) are worn at all times and that hands are washed prior to eating, drinking, smoking and using the toilet.

Waste will be offloaded, manoeuvred and stored correctly in line with NHTS’s risk assessments and training.

The following tables present the assessment in terms of hazards posed, receptors and pathways, along with

ENVIRONMENTAL RISK ASSESSMENT

management and residual risks for the following hazards:

- Odour
- Noise and Vibration
- Fugitive Emissions (including dust, mud, litter and pests); and
- Accidents.

**Table 11 Odour Risk Assessment and Management Plan**

| What do you do that can harm and what could be harmed |                                                  |                                         | Managing the Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Assessing the Risk          |                                      |                                                                                 |
|-------------------------------------------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|---------------------------------------------------------------------------------|
| Hazard                                                | Receptor                                         | Pathway                                 | Risk management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Probability of exposure     | Consequence                          | What is the overall risk                                                        |
| What has the potential to cause harm?                 | What is at risk what do I wish to protect?       | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | How likely is this contact? | What is the harm that can be caused? | What is the risk that still remains? The balance of probability and consequence |
| Odours from onsite processes and waste management.    | <i>Site personnel and local human population</i> | Air                                     | <p>Operations on site will be controlled as directed by written Operating and Process Procedures and Odour Management Plan OMP.</p> <p>Strict operational and waste management procedures will be adhered to.</p> <p>HEPA filters are located on each treatment unit as well as the final emission point to manage and minimise odours potentially arising from the treatment activities. Robust procedures are followed to support all odour management and abatement activities on site.</p> <p>Supporting Documents include:</p> <ul style="list-style-type: none"> <li>• NTEES Env 192 SOP (WTP) – Maintenance Procedure</li> <li>• NTESS Env 194 SOP (WTP) – Management of Electrical System</li> <li>• NTEES Env 196 SOP (WTP) – Monitoring and Control Management</li> </ul> | Negligible                  | Odour nuisance and loss of amenity.  | Not significant                                                                 |



|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
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|  |  |  | <p>The site will be monitored for odours, if required, by site personnel throughout the working day.</p> <p>Robust procedures are in place to support all activities on site.</p> <p>In the event that odours are detected, investigations will be undertaken to determine the cause and appropriate remedial action taken as underpinned by the OMP and Complaint procedures. Ref. NTEES Env 174 SOP (WTP) – Complaints Management</p> <p>The Site Manager will be responsible for implementing risk management measures.</p> |  |  |  |
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**Table 12 Noise Risk Assessment and Management Plan**

| What do you do that can harm and what could be harmed                                                        |                                                         |                                         | Managing the Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Assessing the Risk                                                    |                                            |                                                                                 |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------|
| Hazard                                                                                                       | Receptor                                                | Pathway                                 | Risk management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Probability of exposure                                               | Consequence                                | What is the overall risk                                                        |
| What has the potential to cause harm?                                                                        | What is at risk what do I wish to protect?              | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | How likely is this contact?                                           | What is the harm that can be caused?       | What is the risk that still remains? The balance of probability and consequence |
| <p>Noise from vehicular movements (site access road and yard)</p> <p>Noise from operation of site plant.</p> | <p><i>Site personnel and local human population</i></p> | <p>Air.</p>                             | <p>The site is located within the service yard of the hospital grounds. Waste treatment activities are carried out inside a building.</p> <p>The machinery/plant will only be operated within the permitted site opening hours which are:</p> <p>Mon-Fri: 07:00 – 17:00</p> <p>A daily clean down will be carried out between 17:00-18:00 when the site is operationally closed, Mon-Fri.</p> <p>Week-end &amp; Bank Holiday: Closed</p> <p>Operational activities will take place during weekend hours if it is required as a contingency measure by the Trusts. The Environment Agency will be informed prior to activities commencing.</p> <p>The machinery/plant will typically be turned off when not in use.</p> <p>All equipment will be maintained and operated in accordance with manufacturer's guidance and will be maintained in good working order.</p> | <p>Mobile.</p> <p>Intermittent throughout the day.</p> <p>Medium.</p> | <p>Noise nuisance and loss of amenity.</p> | <p>Not significant</p>                                                          |

|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
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|  |  |  | <p>The site will be operated so as to minimise noise emissions from the site. Measures that will be taken at the site include:</p> <ul style="list-style-type: none"> <li>• locating plant away from noise-sensitive receptors where possible</li> <li>• the avoidance of dropping materials from height</li> <li>• switching plant off when not in use</li> <li>• a speed limit of 10mph for vehicles on the site. This will reduce noise associated with high engine speeds; training of all personnel in the need to minimise site noise. All personnel are responsible for monitoring and reporting excessive noise when carrying out their everyday roles</li> <li>• regular maintenance of site plant and machinery to minimise noise resulting from inefficient operation of pumps, generators and engines</li> <li>• in the event that reversing alarms are found to give rise to complaints, alternative alarms or technology will be investigated</li> <li>• regular maintenance of site surfaces to prevent the development of potholes. This will significantly reduce noise generated by vehicles, particularly empty vehicles exiting the site</li> <li>• consideration will be given to the fitting of noise suppression kits on items of plant and equipment, if required; and</li> <li>• all plant will be maintained in accordance with manufacturer's recommendations to minimise noise emissions.</li> </ul> <p>Any noise complaint received will be logged in the site diary. The Site Manager will investigate the complaint and will take action to identify the source of the noise and implement remedial measures where appropriate depending on source identified.</p> |  |  |  |
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|  |  |  | <p>The measures employed at the site to minimise the emission of noise will be regularly reviewed by the Site Manager and additional measures will be employed where required.</p> <p>The site has robust complaints procedures which are used to investigate all complaints received, including complaints in relation to environmental performance and the environmental permit. Ref NTEES Env 174 SOP (WTP) – Complaints Management.</p> <p>The management of noise emissions is detailed further within individual specific SOPs relating to activities or control measures.</p> |  |  |  |
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**Table 13 Fugitive Emissions Risk Assessment and Management Plan**

| What do you do that can harm and what could be harmed                                                                                                   |                                                  |                                         | Managing the Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Assessing the Risk          |                                           |                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------|---------------------------------------------------------------------------------|
| Hazard                                                                                                                                                  | Receptor                                         | Pathway                                 | Risk management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Probability of exposure     | Consequence                               | What is the overall risk                                                        |
| What has the potential to cause harm?                                                                                                                   | What is at risk what do I wish to protect?       | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | How likely is this contact? | What is the harm that can be caused?      | What is the risk that still remains? The balance of probability and consequence |
| <b>To Air:</b>                                                                                                                                          |                                                  |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                                           |                                                                                 |
| Dust from:<br>Vehicle movements to site<br>Waste management and storage from operational processes<br>Emissions and deposition<br>Arising from Surfaces | <i>Site personnel and local human population</i> | Air                                     | <p>Due to the nature of site activities, is not anticipated that dust will pose a risk.</p> <p>Robust O&amp;M procedures to support all activities on site.</p> <p><b>Site Controls</b></p> <ul style="list-style-type: none"> <li>• A speed limit of 10mph is implemented for vehicles using the site to reduce the risk of dust suspension.</li> <li>• Access to CCTV should the speed limit be breached can be used to take immediate action and report to management.</li> <li>• Site fencing and surrounding hospital buildings act as containment measures around the site boundary.</li> <li>• Incoming and outgoing vehicles carrying loads are covered or secured.</li> </ul> | Medium                      | Dust nuisance<br><br>Harm to human health | Low                                                                             |

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|  |  |  | <p><b>Housekeeping</b></p> <ul style="list-style-type: none"> <li>• Site access roads and operational areas will be maintained and repaired to minimise emissions of dust due to uneven and poor surfacing. These are checked on a daily basis for damage with any remedial action logged within the recording systems and emailed to senior management.</li> <li>• Any temporary repairs are made good within 24 hours and arrangements are made to have permanent repairs, if required, will be completed within one week. (Any substantial repair timescales may exceed this timescale dependant on weather conditions and work required ), this would be tracked and recorded in the electronic site diary in the event until complete.</li> <li>• Records of all repairs made are recorded in the site diary and contractor invoices/records are kept in the site office for inspection if required.</li> <li>• The entire site benefits from concrete surfacing throughout.</li> <li>• Site cleaning is carried out at the end of each working day. The clean down will be carried out between 17:00-18:00 when the site is operationally closed, Mon-Fri.</li> </ul> |  |  |  |
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|  |  |  | <ul style="list-style-type: none"> <li>• During the day if dust is identified by the Site Manager, and site staff action will be taken to clean site access areas and operational areas will be swept where necessary to reduce dust emissions. If required, the site will be washed down in particularly dry conditions using the water suppression such as hoses.</li> <li>• External Roads are checked daily and cleaned if required.</li> <li>• Plant cleaning and maintenance are carried out daily as a routine measure. Records for each machine/plant are kept to evidence this.</li> <li>• Prior to leaving the site, vehicles can be washed down using a power washer if the site supervisor or driver identify dust or debris on the vehicle body or wheels. Water is directed and controlled via the site drainage system.</li> </ul> <p><b>Procedures and Recording Forms</b></p> <ul style="list-style-type: none"> <li>• Records for the management of the site and housekeeping, maintenance and cleaning are detailed within the EMS.</li> <li>• The procedure for managing complaints is included in the EMS.</li> <li>• Individual Plant and Equipment Maintenance Forms records all operational equipment cleaning and inspections.</li> </ul> |  |  |  |
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|-------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------|-----------------|
|                                                 |                                                        |                                                              | <b>Water Supplies</b> <ul style="list-style-type: none"> <li>The site has as access to internal water supply for general everyday use.</li> </ul><br><b>Management of procedures</b> <ul style="list-style-type: none"> <li>The Site Manager (and other nominated trained members of staff) will be responsible for implementing risk management controls and site recording.</li> <li>The facility will not give rise to reasonable cause for annoyance. In the unlikely event of any complaints, these will be dealt with in accordance with the sites complaint procedures.</li> </ul> |            |                                                     |                 |
| <b>To Water</b>                                 |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                                     |                 |
| Runoff from waste storage areas & site surfaces | Surface water:<br>Groundwater within bedrock deposits. | Overland percolation through the ground                      | <p>The site operates with all surfacing made up of concrete pad with sealed drainage. Drainage systems are comprehensive with process shut off valves, with an authorised discharge via interceptor before joining the main Northumbrian Water Sewer system. The drainage system will be maintained and regularly cleaned to prevent it silting up. Drainage arrangements are shown in Drawings within the Environment Management System.</p>                                                                                                                                             | Low        | Contamination of surface water and groundwater.     | Not significant |
| <b>Pests</b>                                    |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                                     |                 |
| Birds, vermin and insects.                      | <i>Site personnel and local human population</i>       | Via air (flies and birds) or over ground (vermin and birds). | The facility will be inspected by both site management and operatives for infestations of pests, vermin and insects on a routine basis recorded in site inspections and                                                                                                                                                                                                                                                                                                                                                                                                                   | Negligible | Nuisance, loss of amenity and harm to human health. | Not significant |



|                                             |                                             |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                                     |                 |
|---------------------------------------------|---------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------|-----------------|
|                                             |                                             |                                      | <p>audits.</p> <p>In the event a pest infestation is identified, a specialist pest control contractor will provide site pest management programmes with at least monthly visits. Additional visits will be made as required.</p> <p>Inspection and Audit arrangements are shown in within the Environment Management System.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                                                     |                 |
| <b>Mud/Litter</b>                           |                                             |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                                     |                 |
| Litter from acceptance and storage of waste | <i>Local human population and wildlife.</i> | Airborne litter                      | <p>Due to the nature of site activities, it is not anticipated that litter will pose a risk.</p> <p>However, the boundary of the site and its environs will be regularly visually inspected and any litter cleaned up. The site will benefit from a perimeter fence which will limit the potential for litter to escape off-site.</p> <p>It will be the responsibility of the site staff to monitor the site for any signs of escaping materials such as packaging either from within the site or from vehicles delivering or removing materials to and from the site.</p> <p>Inspections will be carried out on a daily basis and a record maintained within the site diary/ inspection records.</p> <p>Inspection and Audit arrangements are shown in within the EMS System.</p> | Low | Nuisance and loss of amenity                        | Not significant |
| Mud on roads                                | <i>Local human population</i>               | Transferral of mud on vehicle wheels | <p>The site is accessed via Hardwick Road. The site is fully surfaced with concrete and fully drained. It is therefore not expected that mud will feature as a problem on the site.</p> <p>The following measures will be taken to prevent the deposition or tracking of mud or debris from the site onto public areas or highways:</p> <ul style="list-style-type: none"> <li>• site surfaces will be maintained</li> </ul>                                                                                                                                                                                                                                                                                                                                                       | Low | Detritus on road, potential road traffic accidents. | Not significant |

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|  |  |  | <p>free of significant quantities of mud and debris</p> <ul style="list-style-type: none"> <li>• all operational areas will be subject to monitoring by staff throughout the working day; and</li> <li>• all vehicles leaving operational areas will, before leaving the site, be checked to ensure that they are clear of loose materials and that any products being exported to and from the site are secure.</li> </ul> <p>In the event that detritus arising from the site is deposited onto public areas outside of the site, the following remedial measures will be implemented:</p> <ul style="list-style-type: none"> <li>• the affected public areas outside the site will be cleaned; and</li> <li>• traffic will be isolated from sources of detritus within the site to prevent further tracking of debris, and measures will be taken to clear any such sources as soon as practicable.</li> </ul> |  |  |  |
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**Table 14 Accidents Risk Assessment and Management Plan**

| What do you do that can harm and what could be harmed |                                                                              |                                                                                     | Managing the Risk                                                              | Assessing the Risk          |                                      |                                                                                 |
|-------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------|--------------------------------------|---------------------------------------------------------------------------------|
| Hazard                                                | Receptor                                                                     | Pathway                                                                             | Risk management                                                                | Probability of exposure     | Consequence                          | What is the overall risk                                                        |
| What has the potential to cause harm?                 | What is at risk what do I wish to protect?                                   | How can the hazard get to the receptor?                                             | What measures will you take to reduce the risk? – Who is responsible for what? | How likely is this contact? | What is the harm that can be caused? | What is the risk that still remains? The balance of probability and consequence |
| Unauthorised waste                                    | <i>Site personnel and local human population</i><br><i>Local environment</i> | Via air (odours and dust)<br><br>Overland (to sewer, surface water and groundwater) | Not Applicable                                                                 |                             |                                      | Not significant                                                                 |

|      |                                                                              |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                                                                 |                 |
|------|------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------|-----------------|
| Fire | <i>Site personnel and local human population</i><br><i>Local environment</i> | Air, water runoff | <p>The site has a Fire Prevention Plan (Ref. NTEES Env FPP) and an Emergency Action Plan (Ref. NTEES Env 143 Plan (WTP) – Emergency Action), both plans cover the risk and control of fire. Procedures within the EMS include but are not limited to:</p> <ul style="list-style-type: none"> <li>• NTEES Env 186 SOP (WTP) – Fire Prevention, Fire Detection, and Fire Fighting</li> <li>• NTEES Env 187 SOP (WTP) – Fire Response</li> <li>• NTEES Env 179 SOP (WTP) – Emergency Response</li> </ul> <p>A brief summary of the measures which will be employed are as follows:</p> <ul style="list-style-type: none"> <li>• Additional measures are in place to allow the early detection and management of a fire</li> <li>• flammable wastes and incompatible materials are stored in accordance with site procedures and storage areas</li> <li>• the plant inspection schedule will include checks of electrical equipment within the site to ensure that any faults are identified and repaired</li> <li>• fire extinguishers will be provided at designated locations</li> <li>• smoking will not be permitted in operational areas of the site</li> <li>• working practices will ensure the assessment of fire hazards and training of employees in fire prevention, e.g. the use of fire extinguishers and emergency procedures; and</li> </ul> | Low | <p>Nuisance (smoke and fumes) and harm to human health.</p> <p>Water contamination (runoff)</p> | Not significant |
|------|------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------|-----------------|

|                      |                                                                                                                                                 |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                                     |                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----------------|
|                      |                                                                                                                                                 |                                                                                            | <ul style="list-style-type: none"> <li>any fire at the site will be treated as an emergency.</li> <li>In the event of a major fire, the following action will be taken: <ul style="list-style-type: none"> <li>the Site Manager and Fire &amp; Rescue Service will be notified immediately and the Environment Agency as soon as practicable</li> <li>the burning area will be isolated and attempts will be made to extinguish the fire utilising the onsite fire extinguishers, if safe to do so; and the site and buildings will be evacuated.</li> </ul> </li> </ul>                                                                                                                                         |     |                                                                                     |                 |
| Spillage and Leakage | <p>Local land quality, surface water and groundwater.</p> <p><i>Site personnel, emergency services personnel and local human population</i></p> | <p>Runoff and percolation through ground.</p> <p>Direct exposure and transport via air</p> | <p>To prevent loss of containment and minimise the risk and impact of releases the following measures will be implemented:</p> <p>Containment system: any facilities for the storage of oils, fuels or chemicals will be sited above ground on impervious bases and surrounded by impervious bund walls. The volume of the bunded compound will be at least the equivalent to the capacity of the tank plus 10%. All filling points, vents and gauges will be located within the bund.</p> <p>Site surfaces are impermeable with sealed drainage and drainage isolation systems. Containment systems and procedures for the management of liquids on site are managed under site specific SOPs for example -</p> | Low | <p>Contamination of groundwater and surface water.</p> <p>Harm to human health.</p> | Not significant |

|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |
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|  |  |  | <p>Inspection: tanks will be inspected visually on a daily basis by site staff to ensure the continued integrity of the tanks, and identify the requirement for any remedial action;</p> <p>Spill kits: materials suitable for absorbing and containing minor spillages will be maintained on site; and</p> <p>Monitoring techniques: the site staff will undertake daily monitoring for evidence of spillage and leakage.</p> <p>In the event of any potentially polluting leak or spillage occurring on site, the following action will be taken:</p> <p>Minor spillages will be cleaned up immediately, using sand or proprietary absorbent. The resultant materials will be placed into containers and will then be removed from site and disposed of at a suitably permitted facility. The incident will be logged in the site diary.</p> <p>Any dry products/or wastes spilled on site will be collected and transported to the appropriate area of the site.</p> <p>In the event of a major spillage, which is causing or is likely to cause polluting emissions to the environment, immediate action will be taken to contain the spillage and prevent liquid from entering surface water or drains. The spillage will be cleared immediately and placed in containers for offsite disposal, and the Environment Agency will be informed.</p> <p>The spillage procedure, included in of the EMS, provides further information with respect to spillages on site.</p> |  |  |  |
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|------------------------|-----------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------|-----------------|
| Security and Vandalism | Personnel on site, emergency service workers. |  | <p>The following security measures are in place:</p> <p>Site perimeter: the site benefits from a secure perimeter fencing.</p> <p>Security gates: the site entrance gate will be locked at all times when the facility is unattended and when the site is not in use.</p> <p>The site will be monitored by security 24 hours via CCTV and motion detectors.</p> <p>Inspection: gates and fencing extending around the site will be inspected regularly by the operations staff to identify deterioration and damage, and the need for any repairs.</p> <p>Maintenance and repair: fencing and gates will be maintained and repaired to ensure their continued integrity. In the event that damage is sustained repairs will be made by the end of the working day. If this is not possible, suitable measures will be taken to prevent any unauthorised access to the site and permanent repairs will be affected as soon as practicable.</p> <p>Authorised access system: all visitors to the site will be required to register in the visitor's book and sign out again on exit to minimise the risk of unauthorised visitors being present on site; and</p> <p>Monitoring techniques: operational procedures, including regular inspections, will ensure continual monitoring of security provision at the site.</p> | Low | <p>Nuisance and harm to human health.</p> <p>Contamination of land and surface water.</p> | Not significant |
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|----------|------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------|-----------------|
|          |                                                                              |          | In the event of a breach of security at the site, the cause will be investigated and appropriate mitigation measures implemented. Records to be maintained include inspections and maintenance of security fencing and gates, breaches of security, investigations and actions taken.                                                                                                                                                                       |     |                                     |                 |
| Flooding | <i>Site personnel and local human population</i><br><i>Local environment</i> | Overland | <p>There are no surface water features within the site boundary.</p> <p>According to the UK government Flood Map for Planning, the site does not lie within a flood zone.</p> <p>Evacuation procedures will be implemented in the event of flooding.</p> <p>The EMS has an Emergency Response Procedure (Ref. NTEES Env 179 SOP (WTP) – Emergency Response) and an Emergency Flood Procedure (Ref. NTEES Env 178 SOP (WTP) – Emergency Flood Response).</p> | Low | Inundation of site with flood water | Not significant |



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

358082482\_1\_1

**Customer Reference:**

NORTH001

**National Grid Reference:**

442270, 521000

**Slice:**

A

**Site Area (Ha):**

7.96

**Search Buffer (m):**

1000

#### Site Details:

University Hospital of North Tees, Hardwick  
Road  
STOCKTON-ON-TEES  
TS19 8PE

#### Client Details:

Mrs K Dowling  
Olive Compliance Ltd  
19 Main Street  
ponteland  
Newcastle  
Newcastle  
Northumberland  
NE20 9NH

#### Prepared For:

North Tees Hospital

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 12          |
| Hazardous Substances  | -           |
| Geological            | 14          |
| Industrial Land Use   | 16          |
| Sensitive Land Use    | 23          |
| Data Currency         | 24          |
| Data Suppliers        | 31          |
| Useful Contacts       | 32          |

### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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### Report Version v53.0

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 1        |         |           |             | 7                           |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 |             |         |           |             |                             |
| Integrated Pollution Prevention And Control                   |             |         |           |             |                             |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             | pg 3        | 1       |           |             | 2                           |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 3        |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 4        |         |           |             | 1                           |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             | pg 4        | 12      |           |             |                             |
| River Quality                                                 |             |         |           |             |                             |
| River Quality Biology Sampling Points                         |             |         |           |             |                             |
| River Quality Chemistry Sampling Points                       |             |         |           |             |                             |
| Substantiated Pollution Incident Register                     | pg 6        |         |           | 1           |                             |
| Water Abstractions                                            | pg 6        |         | 2         |             |                             |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 6        | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 |             |         | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Local Information                 |             |         | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 7        | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              | pg 7        | Yes     | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       |             |         |           |             |                             |
| Extreme Flooding from Rivers or Sea without Defences          |             |         |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  |             |         |           | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 7        |         | 5         | 9           | 24                          |

| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           |             |         |           |             |                             |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    | pg 12       |         |           |             | 1                           |
| Local Authority Landfill Coverage                                   | pg 12       | 1       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             |             |         |           |             |                             |
| Potentially Infilled Land (Non-Water)                               | pg 12       |         |           | 1           |                             |
| Potentially Infilled Land (Water)                                   | pg 12       | 1       | 5         | 4           | 17                          |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        | pg 13       | 1       |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |

| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 14       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 14       | Yes     | Yes       |             | Yes                         |
| BGS Recorded Mineral Sites                                        |             |         |           |             |                             |
| BGS Urban Soil Chemistry                                          |             |         |           |             |                             |
| BGS Urban Soil Chemistry Averages                                 |             |         |           |             |                             |
| CBSCB Compensation District                                       |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                        |             |         | n/a       | n/a         | n/a                         |
| Mining Instability                                                |             |         | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                          |             |         |           |             |                             |
| Natural Cavities                                                  |             |         |           |             |                             |
| Non Coal Mining Areas of Great Britain                            |             |         |           | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                | pg 15       | Yes     |           | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards               | pg 15       |         | Yes       | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 15       | Yes     |           | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 15       | Yes     |           | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 15       | Yes     |           | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                            |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                       |             |         | n/a       | n/a         | n/a                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 16       | 5       | 4         | 5           | 19                          |
| Fuel Station Entries                                              | pg 19       |         |           |             | 2                           |
| Points of Interest - Commercial Services                          | pg 19       |         |           |             | 14                          |
| Points of Interest - Education and Health                         | pg 20       | 6       |           |             |                             |
| Points of Interest - Manufacturing and Production                 |             |         |           |             |                             |
| Points of Interest - Public Infrastructure                        | pg 20       |         |           | 1           | 6                           |
| Points of Interest - Recreational and Environmental               | pg 21       | 2       |           | 2           | 8                           |
| Gas Pipelines                                                     |             |         |           |             |                             |
| Underground Electrical Cables                                     |             |         |           |             |                             |

| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m<br>(*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| <b>Sensitive Land Use</b>            |             |         |           |             |                                |
| Ancient Woodland                     |             |         |           |             |                                |
| Areas of Adopted Green Belt          |             |         |           |             |                                |
| Areas of Unadopted Green Belt        |             |         |           |             |                                |
| Areas of Outstanding Natural Beauty  |             |         |           |             |                                |
| Environmentally Sensitive Areas      |             |         |           |             |                                |
| Forest Parks                         |             |         |           |             |                                |
| Local Nature Reserves                |             |         |           |             |                                |
| Marine Nature Reserves               |             |         |           |             |                                |
| National Nature Reserves             |             |         |           |             |                                |
| National Parks                       |             |         |           |             |                                |
| Nitrate Sensitive Areas              |             |         |           |             |                                |
| Nitrate Vulnerable Zones             | pg 23       | 1       |           |             | 1                              |
| Ramsar Sites                         |             |         |           |             |                                |
| Sites of Special Scientific Interest |             |         |           |             |                                |
| Special Areas of Conservation        |             |         |           |             |                                |
| Special Protection Areas             |             |         |           |             |                                |
| World Heritage Sites                 |             |         |           |             |                                |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13NW (W)                              | 0                            | 1       | 442250 521003 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13SW (SW)                             | 107                          | 1       | 442050 520800 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13NW (N)                              | 157                          | 1       | 442250 521300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13SW (S)                              | 169                          | 1       | 442250 520650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13SW (S)                              | 177                          | 1       | 442269 520650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18SW (NW)                             | 205                          | 1       | 442100 521350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A8NW (S)                               | 226                          | 1       | 442269 520600 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A8NE (S)                               | 236                          | 1       | 442300 520600 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A8NW (SW)                              | 355                          | 1       | 441950 520550 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A14NW (E)                              | 418                          | 1       | 442850 521100 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A9NW (SE)                              | 441                          | 1       | 442650 520500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A14SW (E)                              | 464                          | 1       | 442850 520800 |
| 1      | <b>Discharge Consents</b><br>Operator: Northumbrian Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Valley Gardens Pumping Station, Stockton On Tees<br>Authority: Environment Agency, North East Region<br>Catchment Area: Tees (Lower); Leven; Tame<br>Reference: 254/0376<br>Permit Version: 1<br>Effective Date: 6th October 1986<br>Issued Date: 6th October 1986<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Pumping Station - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Hardwick Beck<br><b>Status: Transferred from COPA 1974</b><br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE)                              | 558                          | 2       | 442750 520430 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 2      | <b>Discharge Consents</b><br>Operator: Northumbrian Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Woodborough Lane Cso, 1 Woodborough Lane, Stockton-On-Tees, Cleveland, Ts19 0qu<br>Authority: Environment Agency, North East Region<br>Catchment Area: Tees (Middle)<br>Reference: 25/04/1607<br>Permit Version: 2<br>Effective Date: 1st February 2019<br>Issued Date: 1st February 2019<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Elm Tree Beck<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m                                                                                                | A9NW (SE)                              | 721                          | 2       | 442933 520382 |
| 3      | <b>Discharge Consents</b><br>Operator: NORTHUMBRIAN WATER LIMITED<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Woodborough Lane Cso, 1 Woodborough Lane, Stockton-On-Tees, Cleveland, Ts19 0qu<br>Authority: Environment Agency, North East Region<br>Catchment Area: Tees (Middle)<br>Reference: 25/04/1607<br>Permit Version: 1<br>Effective Date: 12th October 1999<br>Issued Date: 12th October 1999<br>Revocation Date: 31st January 2019<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Elm Tree Beck<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m             | A9SW (SE)                              | 755                          | 2       | 442900 520300 |
| 3      | <b>Discharge Consents</b><br>Operator: NORTHUMBRIAN WATER LIMITED<br>Property Type: Sewerage Network - Sewers<br>Location: WOODBROUGH LANE SSO, STOCKTON<br>Authority: Environment Agency, North East Region<br>Catchment Area: Tees (Lower)<br>Reference: 254/0889/5061<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: 12th October 1999<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Effluent Discharge-Storm Effluent<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: BLUE HALL BECKRevoked<br><b>Status:</b> Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                                                 | A9SW (SE)                              | 755                          | 2       | 442900 520300 |
| 3      | <b>Discharge Consents</b><br>Operator: Northumbrian Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Woodborough Lane Cso, 1 Woodborough Lane, Stockton-On-Tees, Cleveland, Ts19 0qu<br>Authority: Environment Agency, North East Region<br>Catchment Area: Tees (Lower); Leven; Tame<br>Reference: 254/0889<br>Permit Version: 1<br>Effective Date: 21st September 1989<br>Issued Date: 21st September 1989<br>Revocation Date: 12th October 1999<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Blue Hall Beck<br><b>Status:</b> Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE)                              | 755                          | 2       | 442900 520300 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 4      | <b>Discharge Consents</b><br>Operator: Northumbrian Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Westfield Court Cso, 14 Westfield Court, Stockton On Tees, Cleveland, Ts19 0sh<br>Authority: Environment Agency, North East Region<br>Catchment Area: Not Supplied<br>Reference: 254/1921<br>Permit Version: 1<br>Effective Date: 31st July 2006<br>Issued Date: 12th April 2006<br>Revocation Date: 16th September 2019<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Lustrum Beck Tributary<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A9NE (SE)                              | 920                          | 2       | 443170 520370 |
| 4      | <b>Discharge Consents</b><br>Operator: Northumbrian Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Westfield Court Cso, 14 Westfield Court, Stockton On Tees, Cleveland, Ts19 0sh<br>Authority: Environment Agency, North East Region<br>Catchment Area: Not Supplied<br>Reference: 254/1921<br>Permit Version: 2<br>Effective Date: 17th September 2019<br>Issued Date: 17th September 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Lustrum Beck Tributary<br><b>Status:</b> <b>Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                 | A9NE (SE)                              | 923                          | 2       | 443175 520372 |
| 5      | <b>Local Authority Pollution Prevention and Controls</b><br>Name: North Tees Hospital<br>Location: Hardwick Road, Stockton-On-Tees, Cleveland, TS19 8PE<br>Authority: Stockton-on-Tees Borough Council, Environmental Health Department<br>Permit Reference: B/01<br>Dated: 28th October 1992<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG5/1Clinical waste incineration processes under 1 tonne an hour<br><b>Status:</b> <b>Site Closed</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                                                                                  | A13NE (NE)                             | 0                            | 3       | 442318 521055 |
| 6      | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Reliance Service Station<br>Location: Durham Road, STOCKTON-ON-TEES, Cleveland, TS19 8HJ<br>Authority: Stockton-on-Tees Borough Council, Environmental Health Department<br>Permit Reference: Ps/10<br>Dated: 23rd December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br><b>Status:</b> <b>Authorised</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                                                                                                                   | A18NW (N)                              | 681                          | 3       | 442054 521823 |
| 7      | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Tesco Service Station<br>Location: Durham Road, STOCKTON-ON-TEES, Cleveland, TS19<br>Authority: Stockton-on-Tees Borough Council, Environmental Health Department<br>Permit Reference: Ps/13<br>Dated: 23rd December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br><b>Status:</b> <b>Authorised</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                                                                                                                                   | A23SW (N)                              | 873                          | 3       | 441992 522010 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A13SW (SW)                             | 98                           | -       | 442068 520797 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 8      | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Surface Water Outfall<br>Location: Tributary Of Lustrum Beck, Newham Grange Park<br>Authority: Environment Agency, North East Region<br>Pollutant: Other Sewage<br>Note: Discharge Of Sewage; Pollution Found; No Fish Killed<br>Incident Date: 3rd August 1996<br>Incident Reference: DD960264<br>Catchment Area: Tees Downstream Skerne To North Sea<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Unknown                                                           | A8SE (S)                               | 549                          | 2       | 442400 520300 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: CA9856<br>Dated: 21st December 2006<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Application has been authorised and any conditions apply to the operator</b><br>Positional Accuracy: Automatically positioned to the address                                                                         | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, Stockton-On-Tees, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: By6958<br>Dated: 18th January 2005<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                                                                            | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, Stockton-On-Tees, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: Bw4997<br>Dated: 1st December 2003<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                                                                            | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, Stockton-On-Tees, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: Br6538<br>Dated: 9th May 2002<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation<br><b>Status: Application has been authorised and any conditions apply to the operator</b><br>Positional Accuracy: Automatically positioned to the address | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, Stockton-On-Tees, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: Br6520<br>Dated: 9th May 2002<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                                                                                 | A13NE (NE)                             | 0                            | 2       | 442318 521055 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: Bj4043<br>Dated: 21st November 2000<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Discretionary authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address   | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: BF8828<br>Dated: 21st April 1999<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br><b>Status: Application withdrawn by the operator</b><br>Positional Accuracy: Automatically positioned to the address                                                     | A13NE (NE)                             | 0                            | 2       | 442318 521050 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: North Tees General Hospital, Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: AT3396<br>Dated: 15th May 1996<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Authorisation either revoked or cancelled</b><br>Positional Accuracy: Unknown                                   | A13NE (NE)                             | 0                            | 2       | 442318 521050 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: North Tees General Hospital, Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: AJ8419<br>Dated: 17th February 1994<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Unknown | A13NE (NE)                             | 0                            | 2       | 442313 521060 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: AJ8699<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                    | A13NE (NE)                             | 0                            | 2       | 442318 521055 |
| 9      | <b>Registered Radioactive Substances</b><br>Name: North Tees And Hartlepool Nhs Trust<br>Location: Hardwick Road, STOCKTON-ON-TEES, Cleveland, TS19 8PE<br>Authority: Environment Agency, North East Region<br>Permit Reference: AC0176<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br><b>Status: Authorisation either revoked or cancelled</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A13NE (NE)                             | 0                            | 2       | 442313 521045 |
| 10     | <b>Registered Radioactive Substances</b><br>Name: North Tees & Hartlepool Nhs Foundation Trust<br>Location: University Hospital Of North Tees, Hardwick, Stockton-On-Tees, Ts19 8pe<br>Authority: Environment Agency, Head Office<br>Permit Reference: WB3435DQ<br>Dated: Not Supplied<br>Process Type: Not Supplied<br>Description: Not Supplied<br><b>Status: Application has been determined by the EA</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                           | A13NE (N)                              | 0                            | 2       | 442299 521123 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 11     | <b>Substantiated Pollution Incident Register</b><br>Authority: Environment Agency - North East Region, North East Area<br>Incident Date: 3rd September 2003<br>Incident Reference: 187048<br>Water Impact: Category 2 - Significant Incident<br>Air Impact: Category 4 - No Impact<br>Land Impact: Category 4 - No Impact<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: General Biodegradable Materials And Wastes: Vegetable Cuttings And Deposits                                                                                                                                                                                                                                   | A8NE (S)                               | 398                          | 2       | 442273 520430 |
| 12     | <b>Water Abstractions</b><br>Operator: North Tees & Hartlepool Nhs Trust<br>Licence Number: 1/25/04/162<br>Permit Version: 102<br>Location: Borehole - Sherwood Sandstone - Stockton On Tees<br>Authority: Environment Agency, North East Region<br>Abstraction: Hospitals: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: North Tees & Hartlepool Hospital, Stockton On Tees<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th May 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13SE (E)                              | 95                           | 2       | 442500 520950 |
| 12     | <b>Water Abstractions</b><br>Operator: North Tees & Hartlepool Nhs Trust<br>Licence Number: 1/25/04/162<br>Permit Version: 101<br>Location: Borehole - Sherwood Sandstone - Stockton On Tees<br>Authority: Environment Agency, North East Region<br>Abstraction: Hospitals: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 150<br>Yearly Rate (m3): 30000<br>Details: North Tees & Hartlepool Hospital, Stockton On Tees<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 16th August 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m             | A13SE (E)                              | 95                           | 2       | 442500 520950 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Mixed<br>Dilution: <300 mm/year<br>Baseflow Index: 40-70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High                                                                                                                                                                                                                                                                         | A13NW (S)                              | 0                            | 4       | 442269 521000 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Mixed<br>Dilution: <300 mm/year<br>Baseflow Index: 40-70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High                                                                                                                                                                                                                                                                         | A13NW (W)                              | 0                            | 4       | 442269 521003 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |               |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Principal Aquifer                                                                                                                                                   | A13NW (W)                              | 0                            | 4       | 442269 521003 |
|        | <b>Superficial Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - Undifferentiated                                                                                                                            | A13NW (W)                              | 0                            | 4       | 442269 521003 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                             |                                        |                              |         |               |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                     |                                        |                              |         |               |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                             |                                        |                              |         |               |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                        |                                        |                              |         |               |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                   |                                        |                              |         |               |
| 13     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 46.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1          | A13SW (S)                              | 119                          | 5       | 442176 520698 |
| 14     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 113.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A13SW (S)                              | 120                          | 5       | 442206 520696 |
| 15     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A8NW (S)                               | 189                          | 5       | 442263 520640 |
| 16     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 269.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A8NE (S)                               | 222                          | 5       | 442304 520615 |
| 17     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 497.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A8NW (S)                               | 223                          | 5       | 442165 520594 |
| 18     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 93.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A8NE (SE)                              | 357                          | 5       | 442550 520537 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 19     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 174.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A8NW (SW)                              | 366                          | 5       | 441955<br>520532 |
| 20     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1   | A9NW (SE)                              | 414                          | 5       | 442640<br>520526 |
| 21     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 61.4<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1       | A9NW (SE)                              | 423                          | 5       | 442649<br>520523 |
| 22     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1        | A8NE (S)                               | 450                          | 5       | 442274<br>520378 |
| 23     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 3.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1           | A7NE (SW)                              | 458                          | 5       | 441795<br>520574 |
| 24     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1   | A7NE (SW)                              | 459                          | 5       | 441796<br>520570 |
| 25     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 119.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A7NE (SW)                              | 461                          | 5       | 441797<br>520565 |
| 26     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 182.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A9NW (SE)                              | 481                          | 5       | 442701<br>520489 |
| 27     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 212.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A8NE (S)                               | 503                          | 5       | 442288<br>520326 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 28     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 51.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1          | A7NE (SW)                              | 569                          | 5       | 441685 520540 |
| 29     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 163.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A14NE (E)                              | 605                          | 5       | 443036 521163 |
| 30     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 291.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A7NE (SW)                              | 617                          | 5       | 441634 520534 |
| 31     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 574.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A8SW (S)                               | 624                          | 5       | 442265 520199 |
| 32     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 447.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A9NW (SE)                              | 632                          | 5       | 442702 520307 |
| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1         | A9NW (SE)                              | 661                          | 5       | 442827 520362 |
| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 378.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A9NW (SE)                              | 666                          | 5       | 442835 520362 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A14NE (E)                              | 762                          | 5       | 443193 521160 |
| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 40.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A14NE (E)                              | 774                          | 5       | 443205 521162 |



| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 33.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1       | A7NW (SW)                              | 787                          | 5       | 441430<br>520585 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A7NW (SW)                              | 805                          | 5       | 441405<br>520607 |
| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 80.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A7NW (SW)                              | 811                          | 5       | 441395<br>520621 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A14NE (E)                              | 813                          | 5       | 443244<br>521168 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A14NE (E)                              | 828                          | 5       | 443258<br>521173 |
| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 3.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1          | A15NW (E)                              | 859                          | 5       | 443289<br>521182 |
| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 25.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A15NW (E)                              | 862                          | 5       | 443292<br>521182 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A7NW (W)                               | 880                          | 5       | 441321<br>520638 |
| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 38.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A15NW (E)                              | 886                          | 5       | 443316<br>521191 |



| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 86.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A15NW (E)                              | 924                          | 5       | 443353<br>521203 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 31.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1        | A9NE (SE)                              | 937                          | 5       | 443194<br>520377 |
| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 354.0<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1      | A11SE (W)                              | 956                          | 5       | 441241<br>520647 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 359.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1 | A9NE (SE)                              | 967                          | 5       | 443225<br>520372 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tees<br>Primacy: 1  | A15NW (E)                              | 995                          | 5       | 443421<br>521241 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 51     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 66066<br>Location: Jewson Builders Merchants, Junction Road, Stockton On Tees, Cleveland, TS19 9PB<br>Operator Name: JEWSON LIMITED<br>Operator Location: Not Supplied<br>Authority: Environment Agency - North East Region, North East Area<br>Site Category: Household, Commercial And Industrial Transfer Stations<br><b>Licence Status: Issued</b><br>Issued: 25th July 2002<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A18NW (N)                              | 739                          | 2       | 442218<br>521879 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Stockton On Tees Unitary Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        | 0                            | 3       | 442269<br>521003 |
| 52     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: S<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A8NW (S)                               | 259                          | -       | 442242<br>520566 |
| 53     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1860                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SE (SE)                             | 0                            | -       | 442393<br>520904 |
| 54     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (SW)                             | 66                           | -       | 442115<br>520815 |
| 55     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1939                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (W)                              | 78                           | -       | 442077<br>520934 |
| 56     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1860                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (W)                              | 159                          | -       | 441986<br>520974 |
| 57     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (SW)                             | 161                          | -       | 442010<br>520851 |
| 58     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13NE (NE)                             | 240                          | -       | 442578<br>521317 |
| 59     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A12NE (W)                              | 337                          | -       | 441796<br>521005 |
| 60     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A12NE (W)                              | 383                          | -       | 441734<br>521082 |
| 61     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A12NE (W)                              | 437                          | -       | 441674<br>521150 |
| 62     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A19SW (NE)                             | 488                          | -       | 442782<br>521466 |
| 63     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1860                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A7NE (SW)                              | 506                          | -       | 441753<br>520550 |
| 64     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1939                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A14NW (NE)                             | 515                          | -       | 442918<br>521299 |
| 65     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A17SE (NW)                             | 534                          | -       | 441734<br>521524 |
| 66     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A12NW (W)                              | 573                          | -       | 441559<br>520985 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 67     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A9NW (SE)                              | 583                          | -       | 442894 520564 |
| 68     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A18NE (N)                              | 600                          | -       | 442434 521727 |
| 69     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A18NE (N)                              | 602                          | -       | 442363 521733 |
| 70     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A14SE (E)                              | 703                          | -       | 443102 520860 |
| 71     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1939                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A19SE (NE)                             | 807                          | -       | 443102 521576 |
| 72     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A9SW (SE)                              | 807                          | -       | 442768 520143 |
| 73     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A17SW (NW)                             | 836                          | -       | 441377 521545 |
| 74     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A7NW (SW)                              | 840                          | -       | 441451 520404 |
| 75     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A7SE (SW)                              | 847                          | -       | 441826 520050 |
| 76     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A7NW (SW)                              | 857                          | -       | 441436 520397 |
| 77     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A7SE (SW)                              | 886                          | -       | 441804 520017 |
| 78     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A15NW (E)                              | 943                          | -       | 443375 521107 |
| 79     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A7NW (SW)                              | 945                          | -       | 441371 520332 |
| 80     | <b>Registered Waste Treatment or Disposal Sites</b><br>Licence Holder: North Tees Health Authority<br>Licence Reference: CLE 241/1<br>Site Location: North Tees General Hospital, Harwick, STOCKTON, Cleveland, TS19 8PE<br>Operator Location: As Site Address<br>Authority: Environment Agency - North East Region, Dales Area<br>Site Category: Storage<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source: Waste produced/controlled by licence holder<br>Restrictions:<br>Licence Status: Licence has completion certificateSurrendered<br>Dated: 23rd March 1992<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Clinical - As In Coll/Disp.Reg's88<br>Max.Incineration Rate<br>Untreated H'Hold/Com. From Hopitals<br>Prohibited Waste: Organic Peroxides<br>Other Halog.Organics (Chlor.Dioxin Etc<br>Pcb'S And Analogues | A13NE (E)                              | 0                            | 2       | 442300 521000 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Triassic Rocks (Undifferentiated)                                                                                                                                                                                                                                                                       | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (SW)                             | 64                           | 1       | 442136 520773 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A7NE (SW)                              | 576                          | 1       | 441708 520492 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A9SW (SE)                              | 625                          | 1       | 442679 520302 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18NW (N)                              | 836                          | 1       | 442236 521975 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>No data available                                                                                                                                                                                                                                                                                              |                                        |                              |         |               |
|        | <b>BGS Urban Soil Chemistry Averages</b><br>No data available                                                                                                                                                                                                                                                                                              |                                        |                              |         |               |
|        | <b>Coal Mining Affected Areas</b><br>In an area that might not be affected by coal mining                                                                                                                                                                                                                                                                  |                                        |                              |         |               |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                                                                                                 |                                        |                              |         |               |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                     | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (SW)                             | 101                          | 1       | 442060 520902 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A8NE (S)                               | 220                          | 1       | 442358 520626 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                           | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SW (SW)                             | 64                           | 1       | 442136 520773 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (W)                              | 0                            | 1       | 442269 521003 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13NW (W)                              | 0                            | 1       | 442269 521003 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 81     | <b>Contemporary Trade Directory Entries</b><br>Name: University Hospital Of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE<br>Classification: Hospitals<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                              | A13NE (NE)                             | 0                            | -       | 442318 521055 |
| 81     | <b>Contemporary Trade Directory Entries</b><br>Name: North Tees & Hartlepool Foundation Trust<br>Location: Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE<br>Classification: Hospitals<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                         | A13NE (NE)                             | 0                            | -       | 442318 521055 |
| 81     | <b>Contemporary Trade Directory Entries</b><br>Name: University Hospital Of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE<br>Classification: Hospitals<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                              | A13NE (NE)                             | 0                            | -       | 442318 521055 |
| 82     | <b>Contemporary Trade Directory Entries</b><br>Name: North Tees M R I Unit<br>Location: University Hospital of North Tees, Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Classification: Hospitals<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                    | A13NE (N)                              | 0                            | -       | 442301 521120 |
| 83     | <b>Contemporary Trade Directory Entries</b><br>Name: North T & Hartlepool Foundation Trust<br>Location: Hardwick Road, Stockton-on-Tees, Cleveland, TS19 8PE<br>Classification: Hospitals<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                   | A13NW (N)                              | 0                            | -       | 442243 521072 |
| 84     | <b>Contemporary Trade Directory Entries</b><br>Name: North Tees Health Nhs Trust<br>Location: Hardwick Rd, Stockton-on-Tees, Cleveland, TS19 8PE<br>Classification: Laboratories<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                            | A13NW (NW)                             | 36                           | -       | 442186 521177 |
| 85     | <b>Contemporary Trade Directory Entries</b><br>Name: Phoenix Car Servicing<br>Location: Enterprise & Initiative Centre, High Newham Road, Stockton-on-Tees, Cleveland, TS19 8RH<br>Classification: Car Breakdown & Recovery Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address | A13NW (W)                              | 126                          | -       | 442003 521050 |
| 86     | <b>Contemporary Trade Directory Entries</b><br>Name: Hardwick Tasty Bites<br>Location: 2a High Newham Rd, Stockton On Tees, Cleveland, TS19 8RQ<br>Classification: Car Dealers - Used<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                                       | A13NW (W)                              | 162                          | -       | 441958 521084 |
| 87     | <b>Contemporary Trade Directory Entries</b><br>Name: T & L Cleaning<br>Location: 4, Kilton Close, Stockton-on-Tees, Cleveland, TS19 8BX<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                            | A14NW (E)                              | 211                          | -       | 442643 521136 |
| 88     | <b>Contemporary Trade Directory Entries</b><br>Name: Carpet Guru<br>Location: 11, Marigold Grove, Stockton-on-Tees, TS19 8FD<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                              | A8NW (S)                               | 323                          | -       | 442171 520495 |
| 89     | <b>Contemporary Trade Directory Entries</b><br>Name: Philmewagon<br>Location: Rothwell Cr, Stockton-on-Tees, Cleveland, TS19 9AN<br>Classification: Rubbish Clearance<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality                                                 | A14NW (NE)                             | 349                          | -       | 442763 521236 |

| Map ID | Details                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 90     | <b>Contemporary Trade Directory Entries</b><br>Name: Phil Mee Wagon<br>Location: 26, Rothwell Crescent, Stockton-on-tees, Cleveland, TS19 9AN<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                      | A14NW (E)                              | 356                          | -       | 442787 521148 |
| 91     | <b>Contemporary Trade Directory Entries</b><br>Name: Suvs Rubbish Removals<br>Location: 30, Letchworth Drive, Stockton-on-Tees, Cleveland, TS19 8JR<br>Classification: Waste Disposal Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                     | A18SW (N)                              | 377                          | -       | 442072 521520 |
| 92     | <b>Contemporary Trade Directory Entries</b><br>Name: National Cleaning Services<br>Location: 7, Rotherham Avenue, Stockton-on-Tees, Cleveland, TS19 9BJ<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address            | A19SW (NE)                             | 479                          | -       | 442782 521453 |
| 93     | <b>Contemporary Trade Directory Entries</b><br>Name: Jupaul Cleaning Services A C P<br>Location: 89, Tithe Barn Road, Stockton-on-Tees, TS19 8PP<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                   | A12SW (W)                              | 583                          | -       | 441579 520848 |
| 94     | <b>Contemporary Trade Directory Entries</b><br>Name: Cleveland Cash Registers<br>Location: 6, Elton Close, Stockton-on-Tees, Cleveland, TS19 8HW<br>Classification: Cash Registers & Check-Out Equipment<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address           | A18NW (N)                              | 606                          | -       | 442124 521751 |
| 95     | <b>Contemporary Trade Directory Entries</b><br>Name: Turbo Connect<br>Location: 34, Ringwood Crescent, Stockton-on-Tees, TS19 9DN<br>Classification: Engine Component Manufacturers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                | A19SE (NE)                             | 651                          | -       | 443014 521417 |
| 96     | <b>Contemporary Trade Directory Entries</b><br>Name: S O S Sevice<br>Location: 62, Tithe Barn Road, Stockton-on-Tees, Cleveland, TS19 8TB<br>Classification: Car Breakdown & Recovery Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                     | A12NW (W)                              | 672                          | -       | 441452 521014 |
| 97     | <b>Contemporary Trade Directory Entries</b><br>Name: B P Service Station<br>Location: Reliance Service Station, Durham Road, Stockton-on-Tees, Cleveland, TS19 8HJ<br>Classification: Petrol Filling Stations<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the address or location | A18NW (N)                              | 675                          | -       | 442042 521817 |
| 97     | <b>Contemporary Trade Directory Entries</b><br>Name: Reliance Service Station Bp<br>Location: Durham Road, Stockton-on-Tees, Cleveland, TS19 8HJ<br>Classification: Petrol Filling Stations - 24 Hour<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address              | A18NW (N)                              | 681                          | -       | 442054 521823 |
| 98     | <b>Contemporary Trade Directory Entries</b><br>Name: Sure Kleen<br>Location: 32, Tithe Barn Road, Stockton-on-Tees, Cleveland, TS19 8TB<br>Classification: Cleaning Services - Commercial<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                          | A12NW (W)                              | 710                          | -       | 441401 521111 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Wynyard Sedgefield Stockton<br>Location: 7, Chilton Close, Stockton-on-Tees, Cleveland, TS19 8SS<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address              | A12NW (W)                              | 716                          | -       | 441397 521202 |



| Map ID | Details                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 100    | <b>Contemporary Trade Directory Entries</b><br>Name: Norton Developments<br>Location: 79, Ragpath Lane, Stockton-on-Tees, Cleveland, TS19 9JW<br>Classification: Damp & Dry Rot Control<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                      | A19NW (NE)                             | 744                          | -       | 442727 521809 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Quality Crafts<br>Location: 38, Romford Road, Stockton-on-Tees, Cleveland, TS19 9HE<br>Classification: Cabinet Makers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                   | A19NE (NE)                             | 842                          | -       | 443062 521685 |
| 102    | <b>Contemporary Trade Directory Entries</b><br>Name: Jewson Builders Merchants Ltd<br>Location: Junction Road, Stockton-on-Tees, Cleveland, TS19 9PB<br>Classification: Builders' Merchants<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                  | A23SW (N)                              | 850                          | -       | 442113 521995 |
| 102    | <b>Contemporary Trade Directory Entries</b><br>Name: Jewson<br>Location: JUNCTION ROAD, NORTON, TS19 9PB<br>Classification: Builders' Merchants<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                | A23SW (N)                              | 865                          | -       | 442129 522010 |
| 103    | <b>Contemporary Trade Directory Entries</b><br>Name: Tesco Petrol Station<br>Location: Durham Road, Stockton-on-Tees, Cleveland, TS21 3LU<br>Classification: Petrol Filling Stations<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                           | A23SW (N)                              | 872                          | -       | 441995 522009 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Rubbish Busters (Stockton)<br>Location: 128, Rosslare Road, Stockton-on-Tees, Cleveland, TS19 9LW<br>Classification: Rubbish Clearance<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                  | A18NE (N)                              | 880                          | -       | 442587 521992 |
| 105    | <b>Contemporary Trade Directory Entries</b><br>Name: Revive Carpet Care<br>Location: Benwell cl, Stockton-on-Tees, Cleveland, TS19 0UH<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality | A3NW (S)                               | 888                          | -       | 442229 519931 |
| 106    | <b>Contemporary Trade Directory Entries</b><br>Name: Rays Leaflet Distribution Services<br>Location: 54, Romford Road, Stockton-on-tees, Cleveland, TS19 9HQ<br>Classification: Distribution Services<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address          | A19NE (NE)                             | 913                          | -       | 443041 521806 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: Famous Flyers<br>Location: 43, Barrington Avenue, Stockton-on-Tees, Cleveland, TS19 0UE<br>Classification: Distribution Services<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                          | A3NW (S)                               | 942                          | -       | 442237 519878 |
| 108    | <b>Contemporary Trade Directory Entries</b><br>Name: Maids Of Honour<br>Location: 40, Rochester Road, Stockton-on-Tees, Cleveland, TS19 9ER<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                  | A19NE (NE)                             | 971                          | -       | 443184 521740 |
| 109    | <b>Contemporary Trade Directory Entries</b><br>Name: D & C Ayre<br>Location: 8, Malcolm Drive, Stockton-on-Tees, Cleveland, TS19 8TH<br>Classification: Lubrication Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                 | A7SW (SW)                              | 973                          | -       | 441452 520175 |



| Map ID | Details                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 110    | <b>Fuel Station Entries</b><br>Name: Reliance Service Station<br>Location: Durham Road , Cleveland , Stockton-On-Tees, Stockton-On-Tees, TS19 8HJ<br>Brand: BP<br>Premises Type: Petrol Station<br><b>Status: Open</b><br>Positional Accuracy: Automatically positioned to the address                  | A18NW (N)                              | 676                          | -       | 442042 521817 |
| 111    | <b>Fuel Station Entries</b><br>Name: Tesco Stockton Extra<br>Location: Durham Road , , Stockton-On-Tees, Stockton-On-Tees, TS21 3LU<br>Brand: Tesco Extra<br>Premises Type: Hypermarket<br><b>Status: Open</b><br>Positional Accuracy: Manually positioned to the address or location                   | A23SW (N)                              | 873                          | -       | 441995 522010 |
| 112    | <b>Points of Interest - Commercial Services</b><br>Name: Ultimate Detailing & Valeting<br>Location: 42 Dinsdale Road, Stockton-on-Tees, TS19 8NB<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location  | A17SE (NW)                             | 554                          | 6       | 441630 521420 |
| 113    | <b>Points of Interest - Commercial Services</b><br>Name: Performance Valeting<br>Location: 1 Romford Road, Stockton-on-Tees, TS19 9HA<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location             | A19SW (NE)                             | 643                          | 6       | 442887 521581 |
| 114    | <b>Points of Interest - Commercial Services</b><br>Name: Reliance Service Station<br>Location: Durham Road, Cleveland, Stockton-on-Tees, TS19 8HJ<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A18NW (N)                              | 680                          | 6       | 442054 521823 |
| 114    | <b>Points of Interest - Commercial Services</b><br>Name: B P Car Wash<br>Location: Reliance Garage, Durham Road, Stockton-on-Tees, TS19 8HJ<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location       | A18NW (N)                              | 680                          | 6       | 442054 521823 |
| 114    | <b>Points of Interest - Commercial Services</b><br>Name: Car Wash<br>Location: Durham Road, Cleveland, Stockton-On-Tees, Cleveland, TS19 8HJ<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location      | A18NW (N)                              | 681                          | 6       | 442054 521823 |
| 115    | <b>Points of Interest - Commercial Services</b><br>Name: K Priestley<br>Location: 1 Welland Crescent, Stockton-on-Tees, TS19 0UT<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                  | A7SE (SW)                              | 778                          | 6       | 441703 520206 |
| 115    | <b>Points of Interest - Commercial Services</b><br>Name: Teesvalet<br>Location: 1 Welland Crescent, Stockton-on-Tees, TS19 0UT<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                    | A7SE (SW)                              | 778                          | 6       | 441703 520206 |
| 116    | <b>Points of Interest - Commercial Services</b><br>Name: Tesco Stockton Extra<br>Location: Durham Road, Stockton-on-Tees, TS21 3LU<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                | A23SW (N)                              | 858                          | 6       | 442013 521997 |
| 116    | <b>Points of Interest - Commercial Services</b><br>Name: Tesco Hand Car Wash<br>Location: Durham Road, Stockton-on-Tees, TS21 3LU<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                 | A23SW (N)                              | 873                          | 6       | 441995 522010 |

| Map ID | Details                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 116    | <b>Points of Interest - Commercial Services</b><br>Name: Car Wash<br>Location: Durham Road, Stockton-on-Tees, TS21 3LU<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                                     | A23SW (N)                              | 873                          | 6       | 441995 522010 |
| 117    | <b>Points of Interest - Commercial Services</b><br>Name: Rays Leaflet Distribution Services<br>Location: 54 Romford Road, Stockton-on-Tees, TS19 9HQ<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location              | A19NE (NE)                             | 913                          | 6       | 443041 521806 |
| 118    | <b>Points of Interest - Commercial Services</b><br>Name: Famous Flyers<br>Location: 43 Barrington Avenue, Stockton-on-Tees, TS19 0UE<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                              | A3NW (S)                               | 942                          | 6       | 442237 519878 |
| 119    | <b>Points of Interest - Commercial Services</b><br>Name: D & C Ayre<br>Location: 8 Malcolm Drive, Stockton-on-Tees, TS19 8TH<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                    | A7SW (SW)                              | 973                          | 6       | 441452 520175 |
| 119    | <b>Points of Interest - Commercial Services</b><br>Name: D Ayre<br>Location: 8 Malcolm Drive, Stockton-on-Tees, TS19 8TH<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                        | A7SW (SW)                              | 973                          | 6       | 441452 520175 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                       | A13NW (N)                              | 0                            | 6       | 442265 521046 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Accident & Emergency Department<br>Positional Accuracy: Positioned to address or location | A13NW (N)                              | 0                            | 6       | 442239 521085 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                       | A13NE (NE)                             | 0                            | 6       | 442318 521055 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Accident & Emergency Department<br>Positional Accuracy: Positioned to address or location | A13NE (NE)                             | 0                            | 6       | 442318 521055 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                       | A13NE (NE)                             | 0                            | 6       | 442318 521055 |
| 120    | <b>Points of Interest - Education and Health</b><br>Name: University Hospital of North Tees<br>Location: Hardwick Road, Stockton-on-Tees, TS19 8PE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                       | A13NE (NE)                             | 0                            | 6       | 442318 521055 |
| 121    | <b>Points of Interest - Public Infrastructure</b><br>Name: Phil Mee Wagon<br>Location: 26 Rothwell Crescent, Stockton-on-Tees, TS19 9AN<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location               | A14NW (E)                              | 356                          | 6       | 442787 521148 |

| Map ID | Details                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 122    | <b>Points of Interest - Public Infrastructure</b><br>Name: BP Service Station<br>Location: Durham Road, Stockton-on-Tees, TS19 8HJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                              | A18NW (N)                              | 675                          | 6       | 442042 521817 |
| 122    | <b>Points of Interest - Public Infrastructure</b><br>Name: Reliance Service Station<br>Location: Durham Road, Cleveland, Stockton-on-Tees, TS19 8HJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                             | A18NW (N)                              | 680                          | 6       | 442054 521823 |
| 122    | <b>Points of Interest - Public Infrastructure</b><br>Name: BP Reliance Service Station<br>Location: Durham Road, Stockton-on-Tees, TS19 8HJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                     | A18NW (N)                              | 681                          | 6       | 442054 521823 |
| 122    | <b>Points of Interest - Public Infrastructure</b><br>Name: Reliance Service Station<br>Location: Durham Road, Stockton-on-Tees, TS19 8HJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                        | A18NW (N)                              | 681                          | 6       | 442054 521823 |
| 123    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tesco Petrol Station<br>Location: Petrol Filling Station, Tesco Supermarket, Durham Road, Stockton-on-Tees, TS21 3LU<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A23SW (N)                              | 872                          | 6       | 441995 522009 |
| 123    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tesco Stockton Extra<br>Location: Durham Road, Stockton-on-Tees, TS21 3LU<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                            | A23SW (N)                              | 873                          | 6       | 441995 522010 |
| 124    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                          | A13SE (SE)                             | 0                            | 6       | 442311 520967 |
| 124    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Nr Bevan Close, TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                  | A13SE (SE)                             | 0                            | 6       | 442311 520967 |
| 125    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Darlington Lane, TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                 | A14SW (SE)                             | 478                          | 6       | 442828 520666 |
| 125    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                          | A14SW (SE)                             | 486                          | 6       | 442837 520667 |
| 126    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                   | A7NE (SW)                              | 672                          | 6       | 441597 520487 |
| 127    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                           | A17NE (NW)                             | 786                          | 6       | 441652 521783 |

| Map ID | Details                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 127    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: Harrowgate Lane, TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A17NE (NW)                             | 789                          | 6       | 441645 521782 |
| 128    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location         | A7SW (SW)                              | 835                          | 6       | 441543 520281 |
| 128    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Fossfeld, TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location                   | A7SW (SW)                              | 853                          | 6       | 441524 520276 |
| 129    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                  | A19NE (NE)                             | 941                          | 6       | 443005 521872 |
| 130    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: Romsey Road, TS19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location     | A15NW (E)                              | 974                          | 6       | 443394 521275 |
| 130    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location          | A15NW (E)                              | 980                          | 6       | 443400 521276 |

| Map ID | Details                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 131    | <b>Nitrate Vulnerable Zones</b><br>Name: Lustrum Beck Catchment (Trib Of Tees) Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office            | A13NW (W)                              | 0                            | 4       | 442269 521003 |
| 132    | <b>Nitrate Vulnerable Zones</b><br>Name: Billingham Beck From Brierley Beck To River Tees Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office | A22SE (N)                              | 990                          | 4       | 441850 522100 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Version                                                                                                            | Update Cycle                                                                                                                                   |
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| <b>Contaminated Land Register Entries and Notices</b><br>Hartlepool Borough Council - Neighbourhood Services Department<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Environment Agency - Head Office<br>Darlington Unitary Council - Development And Environment Department<br>Stockton-on-Tees Borough Council - Environmental Health Department<br>Durham County Council (Unitary) - Environmental Health Department<br>Middlesbrough Council - Public Protection and Planning | April 2013<br>February 2009<br><br>November 2023<br>October 2014<br>October 2017<br>October 2017<br>September 2017 | Annual Rolling Update<br>Not Applicable<br><br>Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annually<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | July 2024                                                                                                          | Quarterly                                                                                                                                      |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                        | March 2013                                                                                                         |                                                                                                                                                |
| <b>Integrated Pollution Controls</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                              | January 2009                                                                                                       |                                                                                                                                                |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                | July 2024                                                                                                          | Quarterly                                                                                                                                      |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Hartlepool Borough Council - Environmental Health Department<br>Darlington Unitary Council - Development And Environment Department<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Durham County Council (Unitary) - Environmental Health Department<br>Stockton-on-Tees Borough Council - Environmental Health Department<br>Middlesbrough Council - Environmental Health Department                         | April 2015<br>August 2014<br>July 2008<br><br>July 2023<br>June 2014<br>June 2015                                  | Variable<br>Variable<br>Not Applicable<br><br>Variable<br>Variable<br>Variable                                                                 |
| <b>Local Authority Pollution Prevention and Controls</b><br>Hartlepool Borough Council - Environmental Health Department<br>Darlington Unitary Council - Development And Environment Department<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Durham County Council (Unitary) - Environmental Health Department<br>Stockton-on-Tees Borough Council - Environmental Health Department<br>Middlesbrough Council - Environmental Health Department                                   | April 2015<br>August 2014<br>July 2008<br><br>July 2023<br>June 2014<br>June 2015                                  | Annual Rolling Update<br>Not Applicable<br>Not Applicable<br><br>Annually<br>Annual Rolling Update<br>Annual Rolling Update                    |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Hartlepool Borough Council - Environmental Health Department<br>Darlington Unitary Council - Development And Environment Department<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Durham County Council (Unitary) - Environmental Health Department<br>Stockton-on-Tees Borough Council - Environmental Health Department<br>Middlesbrough Council - Environmental Health Department                       | April 2015<br>August 2014<br>July 2008<br><br>July 2023<br>June 2014<br>June 2015                                  | Variable<br>Variable<br>Not Applicable<br><br>Variable<br>Variable<br>Variable                                                                 |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | July 2024                                                                                                          |                                                                                                                                                |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                   | December 1998                                                                                                      |                                                                                                                                                |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                              | July 2015                                                                                                          |                                                                                                                                                |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                                                 | March 2013                                                                                                         |                                                                                                                                                |
| <b>Registered Radioactive Substances</b><br>Environment Agency - Head Office<br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                                                                                                                      | May 2023<br>May 2023                                                                                               |                                                                                                                                                |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | November 2001                                                                                                      | Not Applicable                                                                                                                                 |

| Agency & Hydrological                                                                                                                                               | Version                  | Update Cycle           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                    | April 2012               |                        |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                  | April 2012               |                        |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - North East Region - Dales Area<br>Environment Agency - North East Region - North East Area | April 2024<br>April 2024 | Quarterly<br>Quarterly |
| <b>Water Abstractions</b><br>Environment Agency - North East Region                                                                                                 | July 2024                | Quarterly              |
| <b>Water Industry Act Referrals</b><br>Environment Agency - North East Region                                                                                       | October 2017             |                        |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                                                                            | June 2018                | As notified            |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                                                                             | January 2018             | As notified            |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                                                                         | January 2018             | As notified            |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                                                                  | September 2022           | Bi-Annually            |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                     | December 2023            | Quarterly              |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                             | December 2023            | Quarterly              |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                                                                     | February 2023            |                        |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                                                                | January 2024             | Quarterly              |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                                                                           | August 2022              |                        |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                                                                    | July 2024                | Quarterly              |
| <b>Surface Water 1 in 30 year Flood Extent</b><br>Environment Agency - Head Office                                                                                  | May 2018                 | Annually               |
| <b>Surface Water 1 in 100 year Flood Extent</b><br>Environment Agency - Head Office                                                                                 | May 2018                 | Annually               |
| <b>Surface Water 1 in 1000 year Flood Extent</b><br>Environment Agency - Head Office                                                                                | May 2018                 | Annually               |
| <b>Surface Water Suitability</b><br>Environment Agency - Head Office                                                                                                | February 2016            | Annually               |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service                                               | May 2013                 | As notified            |



| Waste                                                                                                                                                                                                                                                                                                                                                                                                                   | Version                                                                                            | Update Cycle                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                                                                                                               | November 2002                                                                                      | As notified                                                                                              |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                    | August 2024                                                                                        | Quarterly                                                                                                |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - North East Region                                                                                                                                                                                                                                                                                                                    | January 2009                                                                                       | Not Applicable                                                                                           |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - North East Region - North East Area<br>Environment Agency - North East Region - Dales Area                                                                                                                                                                                                                                    | August 2024<br>May 2024                                                                            | Quarterly<br>Quarterly                                                                                   |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - North East Region - Dales Area<br>Environment Agency - North East Region - North East Area                                                                                                                                                                                                                                              | July 2024<br>July 2024                                                                             | Quarterly<br>Quarterly                                                                                   |
| <b>Local Authority Landfill Coverage</b><br>Darlington Borough Council<br>Durham County Council - Economic Development and Planning Department<br>Hartlepool Borough Council - Environmental Health Department<br>Middlesbrough Council<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Stockton-on-Tees Borough Council - Environmental Health Department       | February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Darlington Borough Council<br>Durham County Council - Economic Development and Planning Department<br>Hartlepool Borough Council - Environmental Health Department<br>Middlesbrough Council<br>Sedgefield Borough Council (now part of Durham County Council) - Environmental Health Department<br>Stockton-on-Tees Borough Council - Environmental Health Department | October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018       |                                                                                                          |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                      | December 1999                                                                                      |                                                                                                          |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                          | December 1999                                                                                      |                                                                                                          |
| <b>Registered Landfill Sites</b><br>Environment Agency - North East Region - Dales Area<br>Environment Agency - North East Region - North East Area                                                                                                                                                                                                                                                                     | March 2006<br>March 2006                                                                           | Not Applicable<br>Not Applicable                                                                         |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - North East Region - Dales Area<br>Environment Agency - North East Region - North East Area                                                                                                                                                                                                                                                               | April 2018<br>April 2018                                                                           |                                                                                                          |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - North East Region - Dales Area<br>Environment Agency - North East Region - North East Area                                                                                                                                                                                                                                                  | June 2015<br>June 2015                                                                             |                                                                                                          |



| Hazardous Substances                                                                                                                                                                                                                                                                                                                                                                               | Version                                                                                                      | Update Cycle                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                              | September 2024                                                                                               | Bi-Annually                                                                                         |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                                                              | March 2017                                                                                                   |                                                                                                     |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                          | August 2001                                                                                                  |                                                                                                     |
| <b>Planning Hazardous Substance Enforcements</b><br>Darlington Unitary Council<br>Sedgefield Borough Council (now part of Durham County Council) - Development Control<br>Durham County Council (Unitary) - Planning Department<br>Hartlepool Borough Council<br>Durham County Council - Economic Development and Planning Department<br>Middlesbrough Council<br>Stockton-on-Tees Borough Council | April 2023<br>December 2008<br>February 2016<br>January 2024<br>July 2007<br>June 2023<br>October 2015       | Variable<br>Not Applicable<br>Variable<br>Variable<br>Annual Rolling Update<br>Variable<br>Variable |
| <b>Planning Hazardous Substance Consents</b><br>Sedgefield Borough Council (now part of Durham County Council) - Development Control<br>Darlington Unitary Council<br>Durham County Council (Unitary) - Planning Department<br>Hartlepool Borough Council<br>Middlesbrough Council<br>Durham County Council - Economic Development and Planning Department<br>Stockton-on-Tees Borough Council     | December 2008<br>February 2016<br>February 2016<br>January 2016<br>January 2016<br>July 2007<br>October 2015 | Not Applicable<br>Variable<br>Variable<br>Variable<br>Variable<br>Annual Rolling Update<br>Variable |

| Geological                                                                                                                                         | Version                      | Update Cycle          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                          | January 2009                 | As notified           |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                         | December 2015                | As notified           |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                           | January 2024                 | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified           |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                        | February 2023                | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                   | June 1998                    | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                               | May 2015                     | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | April 2020                   | As notified           |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | January 2019                 | As notified           |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                     | January 2019                 | As notified           |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service    | January 2019                 | As notified           |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                               | October 2023                 | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                          | October 2023                 | Annually              |

| Industrial Land Use                                                  | Version        | Update Cycle |
|----------------------------------------------------------------------|----------------|--------------|
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories   | June 2024      | Quarterly    |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian               | February 2024  | Quarterly    |
| <b>Gas Pipelines</b><br>National Grid                                | October 2021   |              |
| <b>Points of Interest - Commercial Services</b><br>PointX            | September 2024 | Quarterly    |
| <b>Points of Interest - Education and Health</b><br>PointX           | September 2024 | Quarterly    |
| <b>Points of Interest - Manufacturing and Production</b><br>PointX   | September 2024 | Quarterly    |
| <b>Points of Interest - Public Infrastructure</b><br>PointX          | September 2024 | Quarterly    |
| <b>Points of Interest - Recreational and Environmental</b><br>PointX | September 2024 | Quarterly    |
| <b>Underground Electrical Cables</b><br>National Grid                | January 2024   |              |

| Sensitive Land Use                                                                                                                                                                                                                                                                                             | Version                                                                    | Update Cycle                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                                                                                                                                                                                     | April 2024                                                                 | Bi-Annually                                                                |
| <b>Areas of Adopted Green Belt</b><br>Darlington Unitary Council<br>Durham County Council (Unitary) - Planning Department<br>Hartlepool Borough Council<br>Middlesbrough Council<br>Sedgefield Borough Council (now part of Durham County Council) - Development Control<br>Stockton-on-Tees Borough Council   | July 2024<br>July 2024<br>July 2024<br>July 2024<br>July 2024<br>July 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Unadopted Green Belt</b><br>Darlington Unitary Council<br>Durham County Council (Unitary) - Planning Department<br>Hartlepool Borough Council<br>Middlesbrough Council<br>Sedgefield Borough Council (now part of Durham County Council) - Development Control<br>Stockton-on-Tees Borough Council | July 2024<br>July 2024<br>July 2024<br>July 2024<br>July 2024<br>July 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                                                                                                                                                                                  | May 2024                                                                   | Bi-Annually                                                                |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                                                                                                                                                                      | August 2023                                                                |                                                                            |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                                                                                                                                                                     | May 2023                                                                   | Not Applicable                                                             |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                                                                                                                                                                                | August 2024                                                                | Bi-Annually                                                                |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                                                                                                                                                                               | August 2024                                                                | Bi-Annually                                                                |
| <b>National Nature Reserves</b><br>Natural England                                                                                                                                                                                                                                                             | August 2024                                                                | Bi-Annually                                                                |
| <b>National Parks</b><br>Natural England                                                                                                                                                                                                                                                                       | February 2018                                                              | Bi-Annually                                                                |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                                                                                                                                                                              | April 2023                                                                 | Not Applicable                                                             |
| <b>Nitrate Vulnerable Zones</b><br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)<br>Environment Agency - Head Office                                                                                                                                                              | April 2016<br>April 2024                                                   | Bi-Annually                                                                |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                                                                                                                                                                         | August 2024                                                                | Bi-Annually                                                                |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                                                                                                                                                                                 | April 2024                                                                 | Bi-Annually                                                                |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                                                                                                                                                                        | April 2024                                                                 | Bi-Annually                                                                |
| <b>Special Protection Areas</b><br>Natural England                                                                                                                                                                                                                                                             | April 2024                                                                 | Bi-Annually                                                                |

A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

| Contact | Name and Address                                                                                                                                                  | Contact Details                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth,<br>Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                              | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 3       | <b>Stockton-on-Tees Borough Council - Environmental Health Department</b><br>Municipal Buildings, 16 Church Road, Stockton-on-tees, Cleveland, TS18 1XD           | Telephone: 01642 393939<br>Fax: 01642 391156<br>Website: www.stockton-bc.gov.uk                                                 |
| 4       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD                                           | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                    |
| 5       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                          | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 6       | <b>PointX</b><br>5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY                                                                                       | Website: www.pointx.co.uk                                                                                                       |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                   | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                  | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

# Flood map for planning

Your reference  
**NTH\_NHS**

Location (easting/northing)  
**442505/520998**

Created  
**28 Oct 2024 12:19**

**Your selected location is in flood zone 1, an area with a low probability of flooding.**

You will need to do a flood risk assessment if your site is **any of the following:**

- bigger than 1 hectare (ha)
- In an area with critical drainage problems as notified by the Environment Agency
- identified as being at increased flood risk in future by the local authority's strategic flood risk assessment
- at risk from other sources of flooding (such as surface water or reservoirs) and its development would increase the vulnerability of its use (such as constructing an office on an undeveloped site or converting a shop to a dwelling)

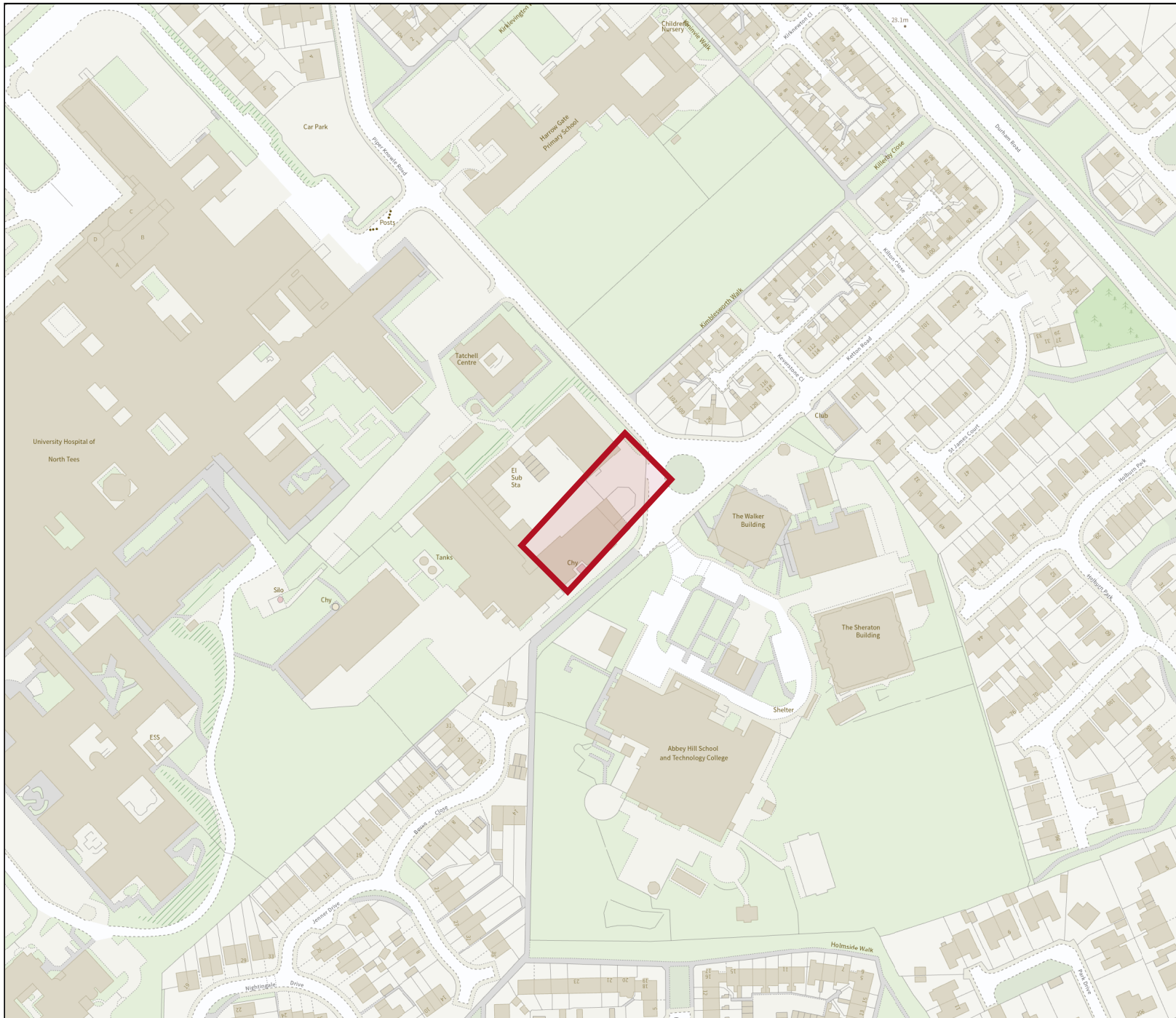
## Notes

The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

Flood risk data is covered by the Open Government Licence **which** sets out the terms and conditions for using government data. <https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>

Use of the address and mapping data is subject to Ordnance Survey public viewing terms under Crown copyright and database rights 2024 OS AC0000807064. <https://flood-map-for-planning.service.gov.uk/os-terms>



## Flood map for planning

Your reference

**NTH\_NHS**

Location (easting/northing)

**442505/520998**

Scale

**1:2500**

Created

**28 Oct 2024 12:19**

-  Selected area
-  Flood zone 3
-  Flood zone 2
-  Flood zone 1
-  Flood defence
-  Main river
-  Water storage area

  
0 20 40 60m