COMBINED STAGE 1/STAGE 2

GEO-ENVIRONMENTAL REPORT

AT

FORMER HOYLE ING DYE WORKS
MANCHESTER ROAD
LINTHWAITE

ON BEHALF OF

HIGHSTONE BUILDING SERVICES LTD

AND

REDWATERS DEVELOPMENTS

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C O N T E N T S

1.0 EXECUTIVE SUMMARY

The pertinent conclusions of the report are tabulated below. However, the information below is not exhaustive, and it is recommended the report is read in its entirety.

Proposed Development	Mixed residential properties with gardens and landscaping.
Existing Site Description	Rough ground with two dilapidated former mill buildings and a chimney. Site is stepped, with large retaining walls.
Site History	Dye works from 1890s. Most buildings demolished by 2016.
Geology	Sandstone of the Midgley Grit Formation. No superficial deposits. Northwest southeast trending fault across southern tip of the site.
Coal Mining	The site is not in a coal mine reporting area – considered stable.
Radon	No radon protection required.
Landfill Gas	No landfills within 250m of the site, only a quarry 100m away upslope. No gas protection measures considered to be required, subject to regulatory agreement.
Ground Conditions	Up to 3m of made ground, generally less than 1m, over cohesive and granular residual soils. Bedrock shallow as 0.1m locally.
Contamination	Elevated lead, PAH and chrysotile asbestos fibres. Localised naphthalene (which can migrate as vapours).
Remediation Strategy	Some limited topsoil to remove. 0.6m clean soil cover to soft areas, retention below hard areas. Exclude made ground at TP2 and TP11 from below building footprints, unless further testing demonstrates this is not required.
Foundations	Piles likely to be required in Area B due to impact on proposed retaining wall. Tree survey required. Strip/trench foundation in Area A, with exception of any foundations in backfilled basement – alternatives such as piles or reduced level excavation required.
Excavations	Liable to collapses within localised areas of deep made ground.
Concrete	FND2z designation for unreinforced foundations. For any reinforced concrete, other design-specific mixes will apply.
Soakaways	Not considered to be suitable.

Road Pavement	Design CBR of 2.5% is considered applicable, below any obvious soft spots, and at equilibrium moisture content. On granular material or rock, CBRs in excess of 15% are anticipated.

2.0 TERMS OF REFERENCE

2.1 Highstone Homes Ltd and Redwaters Developments are considering developing the site at Manchester Road, Linthwaite with a mixed residential development. It was considered appropriate to implement a desk study and ground investigation to provide information to aid the planning process, viability assessment, and design of any subsequent development.

2.2 ARP Geotechnical Ltd was appointed by Highstone Building Services Ltd and Redwaters Developments to carry out the investigation, which involved a desk study assessment of the geological and coal mining aspects, Ordnance Survey archive maps, radon gas, indicative flood risk, hydrogeology, landfill, and other environmental issues, primarily by assessment of a Landmark Envirocheck Report. This was supplemented by an intrusive investigation to assess the ground conditions.

2.3 The investigation was implemented generally in accordance with BS 5930:2015 +A1:2020 "Code of practice for site investigations", NHBC Standard Chapter 4.1 "Land quality - managing ground conditions", Environment Agency LCRM “Land Contamination Risk Management" and BS10175: 2011 + A2 : 2017 "Investigation of potentially contaminated sites - Code of practice". This report is limited to the data obtained as part of this investigation. It should be noted that there is a possibility of variation in ground conditions between test locations and interpretation of strata is given for guidance only. No liability is accepted for changes to site conditions, including groundwater levels, after the preparation of this report.

2.4 The general observation and assessment of the ground surface, and the identification/classification of vegetation is made in general terms only. It would be prudent for a specialist to undertake a more detailed survey, including for any invasive/harmful weeds.

2.5 The assessment of any topsoil is carried out in terms of potential chemical effects on human health only, and no account is taken of aesthetic or horticultural properties. Such considerations should be referred to a horticulturist or landscape architect.

2.6 The report has been prepared for the use and reliance of the Client only. The report shall not be relied upon or transferred to any other parties without the written agreement of ARP Geotechnical Ltd. For the avoidance of any doubt, where ARP Geotechnical Ltd enters into a letter of reliance for the benefit of a third party, that third party will be permitted to rely on the report. No responsibility will be accepted where this report is used, either in its entirety or in part, by any other party without ARP Geotechnical Ltd.'s consent.

2.7 Attention is drawn to the requirements of the Construction Design and Management Regulations 2015, and in particular the duties and obligation of the Client.

2.8 The report refers to, and includes, a copy of an indicative proposed layout. This is only for the purposes of generating a conceptual site model for the contamination risk assessment. Unless the proposed layout changes significantly, such that the conceptual model and risk assessment is affected, there is no requirement to re-issue this report when the layout is revised.

3.0 SITE DESCRIPTION

Site Location

3.1 The site, which is centred on Ordnance Survey Grid Reference 409810, 414530, is located at the corner of Manchester Road and Hoyle Ing in Linthwaite.

3.2 A site location plan and aerial photograph are presented in Appendix A.

3.3 A walkover survey was conducted on 9th February 2021. Details obtained from the walkover are discussed below. Photographs taken during the site walkover are presented in Appendix B.

On-Site Features

3.4 The site has overall dimensions of approximately 56m (northwest - southeast) by 70m (northeast -southwest).

3.5 The site can be split into two distinct areas due to the significant level differences present across the site. Area A, the northwestern two thirds, comprises rough ground with two dilapidated buildings and a 160m high chimney. Area B, the southeastern third of the site, comprises rough ground with dense vegetation.

3.6 Area A slopes gently from southeast to northwest, from 131m AOD down to 130m AOD at the boundary with Manchester Road. Area B is between 4m and 6m higher than Area A, with the difference in level accommodated by an approximately 6m high sandstone retaining wall along the northeastern third of the division and a brick retaining wall of approximately 4m height along the southwestern two thirds. The existing buildings in Area A also form part of the retaining wall. The northeastern end of Area B is generally level at approximately 136.3m AOD. The southwestern end of Area B is split across two levels, with a second brick retaining wall of approximately 3m high present, parallel with the lower brick retaining wall. Cross sections are included in Appendix H.

3.7 The northwestern face of the brick retaining wall near the middle of the site is visibly damaged, with the wall bowing outwards.

Site Boundaries and Surrounding Land Use

3.8 The site is bounded by Manchester Road to the northwest, commercial and residential buildings to the northeast, residential to the southeast, and Hoyle Ing along the southwest with a business and woodland beyond.

3.9 A retaining wall, at between 4m and 8m high is present along the northeastern and southeastern boundaries of the site, retaining higher ground off site.

Site History

3.10 Ordnance Survey archive maps were obtained for the site. Copies of the maps are included in Appendix C, and a summary of the findings is given below.

Map Date	**On-Site**	**Off-Site**
1851	No development on site.	Quarry approximately 200m southwest. Woollen mill approximately 100m northwest.
1892	Area A - Hoyle Ing Dye works with a tank and a chimney. Area B - Small building.	Quarry has expanded to within approximately 50m of the site boundary. Brick works across the road to the southwest.
1906	No significant change.	No significant change.
1916	Club labelled in southwestern corner of Area B.	No significant change.

1962	Dye Works occupies the majority of Area A. More buildings in Area B.	Quarry to the southwest now disused. Partially infilled with houses within southern end of former quarry. Royd House Tip annotated towards the centre of the quarry at approximately 150m from site.
1985	Buildings cover the whole site.	Two garages at approximately 100m to the west.
1992	No significant change.	Quarry now wooded. Business park at western boundary (former brick works). Garages at approximately 100m to the west now labelled works. Garage at approximately 250m to the southwest.
2016 (Aerial Image)	Majority of the buildings in Area A have been demolished with only two buildings and the chimney remaining. All buildings in Area B.	No significant change.
2021	No significant change	No significant change.

3.11 In summary, a dye works with a tank and a chimney occupied most of the site from the 1890s, with a club and several other buildings in Area B. The majority of the buildings were demolished by 2016. There will be the legacy of buried structures, foundations, services, and possibly basements, from the existing and previous development. A large quarry extended to within 100m of the southwestern boundary of the site from the 1850s until the 1960s. The quarry was partially filled by the 1960s, with houses constructed at the southern end of the quarry. A tip was noted towards the centre of the quarry, approximately 100m from the site boundary, on historical OS plans between 1960s and 1980s. The quarry is now a predominantly wooded area with houses to the south.

4.0 ENVIRONMENTAL SETTING

Geology

4.1 Extracts from the British Geological Survey 1:50,000 Series Geology Maps are included within the Envirocheck Geology Report in Appendix D. The maps show the site to be underlain by sandstone of the Midgley Grit Formation, with no superficial deposits.

4.2 The maps indicate a northwest southeast trending fault across the southern tip of the main site.

Coal Mining and Mineral Extraction

4.3 The site is not in a coal mine reporting area.

4.4 There are three BGS recorded mineral sites within 250m of the site at 125m southwest (Hoyle House), 204m south (Linthwaite brick works) and 216m southwest (Hollywell) all associated with the opencast mining of sandstone.

Hydrogeology

4.5 The Landmark Envirocheck Report, included in Appendix E, indicates the Bedrock Aquifer Designation to be a "Secondary A" Aquifer. These Aquifers comprise "permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers".

4.6 There are fifteen recorded groundwater abstractions within 1km of the site, with the nearest at 33m to the north and the furthest 970m to the west. The abstractions are generally for textiles with others for general cooling and general farming and domestic. However, only two are down hydraulic gradient of the site (to the northeast) and these are for non-sensitive uses.

4.7 The site is within groundwater Source Protection Zone II (Outer Zone).

Hydrology

4.8 The site lies on the southeastern flank of the valley of the River Colne, which flows from southwest to northeast. The nearest downslope surface water is the River Colne, 36m northwest of the site.

4.9 The site is not in an area at risk from river flooding. The risks of flooding from other causes such as adverse topography or insufficient surface water drainage, are not considered here. If such risk needs to be quantified, a separate specialist Flood Risk and Drainage Report should be commissioned, if not already available. BGS data indicates "limited potential for groundwater flooding of property to occur.

4.10 There are two active surface water abstractions within 1km down gradient of the site, at approximately 648m and 928m to the northeast. However, the abstractions are for textiles - non-sensitive industrial purposes.

Other Environmental Data

4.11 The Landmark Envirocheck Report, included in Appendix E, contains information on numerous environmental aspects. A summary of the pertinent findings, not already covered, with additional comments, is given below.

4.11.1 There are three Integrated Pollution Prevention and Control associated with the former Dye Works on site.

4.11.2 There is one Local Authority Pollution Prevention and Control within 250m of the site. The authorisation is located 5m to the north and is an Air pollution Control for wood coating.

4.11.3 There are no discharge consents relating to, or adjacent to, the site.

4.11.4 There are no closed or currently licenced landfills within 250m of the site. However, there is a potential infilled quarry which extended to within 100m of site boundary. A tip was noted towards the centre of the quarry, approximately 100m from the site boundary, on historical OS plans between 1960s and 1980s.

4.11.5 No radon protective measures are stated to be necessary for new dwellings or extensions on the site, and the site is within a “lower probability radon area”.

4.11.6 There are no contemporary trade directory entries relating to any activities which could have significant impact on the site.

4.11.7 There are no fuel station entries within 250m of the site.

5.0 PRELIMINARY RISK ASSESSMENT AND CONCEPTUAL MODEL

5.1 Part II A of the Environmental Protection Act (EPA) 1990 became effective from 1st April 2000. The Regime was introduced by the Contaminated Land (England) Regulations 2000 (SI 2000, No. 227) along with the associated DEFRA Circular February 2000.

5.2 Section 78A (2) of the Act defines "Contaminated land is any land ……. in such a condition, by reason of substances in, on or under that land that –

(a) significant harm is being caused or there is a significant possibility of such harm being caused; or

(b) pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused".

From S78A (4) "Harm" : means harm to the health of living organisms or other interference with the ecological systems of which they form part and, in the case of man, includes harm to his property.

Controlled waters are defined as "..the waters in any relevant lake or pond, or of so much of any relevant river or watercourse as is above the freshwater limit, and ground waters, that is to say, any waters contained in underground strata". From the 1st October 2004, the definition of groundwater in relation to Part IIA was amended, by the Second Water Act Commencement Order SI 2004 No 2528. This makes clear that "ground waters" does not include waters above the saturation zone, i.e. does not include any soil water and pore water present in the unsaturated zone.

5.3 The objectives of the regime are to ensure that risks associated with contaminated land are reduced to an acceptable level, having regard to the costs of doing so. The costs should be proportionate, manageable and economically sustainable.

5.4 In assessing risk, it is necessary to consider the probability, or frequency, of occurrence of the hazard and the magnitude/seriousness of the consequences. Consequently, for land to be classified as contaminated, it must have, or be very likely to have, a detrimental effect on humans or the environment before it can be classified as contaminated land.

5.5 In establishing risk, the concept of the pollutant source/pathway/receptor linkage model, based on current and proposed site use, is to be considered. Therefore for a site to be deemed contaminated under the Regime, all three linkages must be in place i.e. the site must not only contain harmful substances, but the substances must have a pathway by which to leak out and cause significant harm to a receptor.

5.6 The Environment Agency has published guidance on contaminated land, in the form of online documents referred to as LCRM “Land Contamination Risk Management". The documents are intended to provide the technical framework for structured decision making about land contamination, and to assist all those involved in "managing" the land, in particular landowners, developers, financial service providers, planners and regulators. As the documents currently provide the framework for best practice, the general principles are, therefore, followed in conducting the assessment below.

5.7 The categorisations of risk adopted in this report are adapted from CIRIA Report C552 (Contaminated Land Risk Assessment: A Guide to Good Practice, 2001). This approach assesses the potential severity of any pollution event and the probability of the event occurring, to arrive at a risk category, for the various potential source - pathway - receptor linkages. The relevant tables used, with the definitions, are presented in Appendix F.

Conceptual Site Model

5.8 It is known that the site is proposed for a mixed residential development including potential private gardens, but also communal landscaping. An indicative proposed site layout is included in Appendix G. The site is shown to be underlain by sandstone of the Midgley Grit Formation, with no superficial deposits. The solid strata beneath the site are designated a

Secondary A Aquifer. There are no sensitive groundwater abstractions within 1km down hydraulic gradient of the site. There are no sensitive surface water abstractions within 1km downstream of the site.

5.9 The site has been occupied by a dye works since the 1890s. The most likely contamination sources are considered to be:

5.9.1 Possible made ground: – metals inorganics, total petroleum hydrocarbons (TPH), polyaromatic hydrocarbons (PAH), phenol and asbestos.

5.9.2 SVOCs and VOC associated with Dye works

5.9.2 Possible asbestos within existing buildings.

5.9.3 Possible harmful gases from infilled quarry within 250m: - methane, carbon dioxide. There are no landfills indicated to be present within 250m of the site, but historical maps indicate that a quarry, which extended to within 100m of the southwestern end of the site, was briefly used as a tip. However, the former quarry is at a significantly higher elevation than the site. Levels obtained from Google Earth indicate that the area of the former quarry is at approximately 159mAOD whilst the highest point on site is approximately 137mAOD. The risk of soil gas migrating 100m laterally and down a minimum 22m drop in level, through sandstones without any cap of drift deposits, is considered to be negligible. Therefore, the site is not considered to be at risk from gas generation associated with the potentially infilled quarry.

5.10 The conceptual model needs to consider sources of contamination, pathways along which contaminants could migrate and the receptors, which may become exposed. Guidance published by the Environment Agency has been consulted with regard to pathways and receptors. The potential sources, pathways, and receptors, applicable to the proposed

development are identified on the table below. Any pathways in italics are deemed not to be viable, and the reason given.

Potential Source - Pathway - Receptor Matrix (Finished Development)

Contamination Sources	Pathways	Receptors	Severity of Consequence	Probability of Event	Risk
Possible made ground: - metals, inorganics, TPH, PAH, phenol SVOCs and VOC associated with former use of the site as a Dye works	• Inhalation, ingestion and dermal contact with soil and dust	**Humans:-** • Future occupants • Maintenance workers • Adjacent residents and general public	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Fruit and vegetable intake, with soil	**Humans (as above)**	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Vapour inhalation outdoor	**Humans (as above)**	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Vapour inhalation indoor	**Humans (as above)**	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Migration in surface water	• Surface water (nearest downslope 36m northwest. There are no sensitive abstractions within 1km downstream.	**Mild**	**Unlikely**	**Very Low**
	• Migration in groundwater	• Groundwater (Secondary A Aquifer, no sensitive abstractions within 1km down gradient)	**Mild**	**Unlikely**	**Very Low**
	• Root uptake	**Vegetation:-** • Landscape areas • Private gardens	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Migration	**Services/Utilities:-** • Potable water supply	**Medium**	**Low Likelihood**	**Moderate/ Low**
Backfilled quarry 100m to the southwest:- methane and carbon dioxide	• Asphyxiation • Explosive risk	• Construction/de-molition workers • Future occupants • Buildings	**Negligible**		
Possible asbestos within existing buildings and possible made ground	• Inhalation	• Future occupants • Maintenance workers • Adjacent residents and general public	**Severe**	**Low Likelihood**	**Moderate**

5.11 The above matrix indicates there are several potential source – pathway – receptor linkages applicable to the proposed development, ranging from moderate to low risk.

5.12 The assessment was used to inform the design of the subsequent ground investigation. To fully characterise the site, in accordance with BS10175 : 2011 + A2 : 2017 "Investigation of potentially contaminated sites - Code of practice", and to address the above concerns, it was decided that, in addition to geotechnical information required, the site investigation should include:

5.12.1 Trial pit excavations on a grid basis, preferably 25m maximum spacing.

5.12.2 Samples of the made ground issued for testing for a broad suite of determinands, including metals, inorganics, asbestos, phenols, speciated PAH, and TPH. It was determined that VOCs, SVOCs and PCBs should also be tested for, due to the historical presence of a dye works on the site.

5.12.3 Upon receipt of contamination test results, any elevated TPH would be speciated to allow further risk assessment, and leachability testing undertaken on all elevated determinands, to give indication of mobility.

6.0 SITE INVESTIGATION

6.1 A site investigation was undertaken by ARP Geotechnical Ltd on 9th March 2021. The purpose of the investigation was to produce an assessment of the site in accordance with BS10175: 2011 + A2 : 2017 "Investigation of potentially contaminated sites - Code of practice", and to provide geotechnical information to aid design of the development.

6.2 The site was gridded on a maximum 25m spacing and trial pits were sampled on the grid, to satisfy the requirements of the British Standard, along with any targeted locations. Thirteen trial pits (TP1 to TP13) were excavated, to depths of between 0.4m and 3.9m. The trial pits were organised, supervised and logged by an Engineer from ARP Geotechnical Ltd. Justifications for the trial pit locations are given below.

LOCATION	REASON
TP2 and TP13	Inside existing building in Area A.
TP1, TP3,TP4, TP5 and TP12	General grid within Area A.
TP6 and TP7	Expose and inspect foundations of retaining walls. General grid within Area A.
TP8 and TP9	Establish ground conditions at the top of the retaining wall. General grid within Area B.
TP10 and TP11	General grid within Area B. Location of former club.

6.3 The trial pit logs are included in Appendix H, along with the location plan. It should be noted that the co-ordinates on the logs have not been surveyed in, but are automatically determined by the logging software (which incorporates mapping) following positioning of each location by the Engineer.

6.4 Chemical analysis of twelve soil samples for metals, inorganics, speciated PAH, TPH, phenols, and asbestos was undertaken by the UKAS accredited Chemtest Laboratory in Newmarket. Elevated determinands were tested further for leachability to determine the potential mobility of the contaminants. Selected samples were also tested for SVOCs/VOCs and PCBs due to the

historical land use as a dye works. Asbestos quantification was undertaken for samples that detected asbestos fibres. The test certificates are included in Appendix J.

6.5 Analysis for Atterberg Limits and moisture content was undertaken by the UKAS accredited Professional Soils Laboratory (PSL) in Doncaster. Geochemical testing comprising pH and water soluble sulphate was undertaken by Chemtech. The test certificates are included in Appendix J.

7.0 SUMMARY OF GROUND CONDITIONS

Strata and Groundwater

7.1 In Area A (average elevation of 130.5m AOD), the ground investigation revealed granular made ground from the surface to generally less than 1m depth, but up to a depth of 3m (127.5m AOD) in TP4. Sporadically, the made ground was only between 0.05m and 0.25m thick and comprised topsoil. The made ground in TP4 included many whole bricks, metal, concrete etc., and a brick wall was visible in the southwestern face. This is likely to be an infilled basement associated with the buildings which covered the whole footprint of the site. A 0.2m thick reinforced concrete slab was present within the main building (TP2), a concrete slab was also encountered at TP13, at between 0.4m and 0.7m depth and in TP12 at between 0.1m and 0.4m depth. In Area B, which is between approximately 4m and 6m higher than Area A, the ground investigation revealed granular made ground from the surface to depths of between 0.2m (136.1mAOD) and 1.8m depth (135.1mAOD).

7.2 In Area A, the made ground was underlain by natural granular and cohesive residual soils to depths of between 0.1m (130.80mAOD) and 3.0m depth (127.8mAOD), below which intact sandstone bedrock was present, interpreted to be the Midgely Grit Formation. Intact bedrock was encountered at less than 0.3m depth in TP5 and TP6. In Area B, the made ground was underlain by natural cohesive and granular soils to between 1.7m (130.4mAOD) and 3.9m depth (133.10mAOD). In TP8 the cohesive residual soil was soft down to 2.5m depth (134.4mAOD) and was noted as being wet. TP8 terminated at 3.9m depth (133mAOD) on hard strata interpreted to be sandstone bedrock. Intact bedrock was encountered at 0.2m depth in TP9.

7.3 Visual or olfactory signs of contamination were identified at two locations during the site investigation. In TP2, located within the larger building in Area A, a tarry residue with a slight odour was detected directly beneath the floor slab. In TP8, located at a higher level within Area B, ashy material was identified within the made ground.

7.4 The excavations into natural deposits generally remained stable for the short period of exposure and the pits were backfilled with the arisings on completion. However, instability was

observed during excavations within the made ground inTP3, TP4 and TP8. No noticeable groundwater was identified during the site investigation. However, the soils within TP8 were described as being moist between 2.5m (134.4mAOD) and 3.8m (133.1mAOD) depth.

Retaining walls

7.5 Excavations were undertaken to expose the foundations of the sandstone block retaining wall at TP6 and the brick retaining wall at TP7. Excavations were also undertaken at the higher level in Area B adjacent to the top of the retaining wall to establish ground conditions. The logs and foundations sketches are presented in Appendix H and the observations are summarised below;

- The foundations for the brick retaining wall near TP7 were found to be less than 250mm deep, and founded on granular residual soils of gravelly sand, with many angular cobbles and boulders. The ground conditions at TP8 at the higher level (not directly above TP7) comprised made ground to 1.8m depth overlying residual soils of soft clay to 2.5m and a mix of cohesive and granular residual soils to 3.9m. The soil was wet from 2.5m to 3.6m.
- The sandstone block retaining wall near TP6 was founded directly on intact sandstone bedrock at approximately 0.2m depth. Trial pit TP9, at the higher elevation above to the retaining wall, identified intact sandstone bedrock at 0.2m depth.

7.6 The northwestern face of the brick retaining wall, near the location of TP7 is visibly damaged, with the wall bowing outwards.

8.0 CONTAMINATION ASSESSMENT

Screening Values - Soils

8.1 There is presently conflicting opinion with regard to the appropriate generic assessment criteria, or screening values, for soils which should be used in contamination assessment for proposed development. In March 2014, DEFRA published Category 4 Screening Levels (C4SLs) for six contaminants: arsenic, benzene, benzo(a)pyrene, cadmium, chromium VI and lead. The values are based on the toxicological benchmark of a "low level of toxicological concern" (LLTC) rather than the previous regulatory approach of "minimal or tolerable level of risk". As the C4SLs are less protective of health than the previous approach, the Chartered Institute of Environmental Health (CIEH) has advocated an alternative approach based on minimal risk, but with some adjustment of exposure parameters to more realistic scenarios than those previously used. To this end, the CIEH has collaborated with Land Quality Management to publish "Suitable 4 Use Levels" (S4ULs) "The LQM/CIEH S4ULs for Human Health Risk Assessment", November 2014 (LQM/CIEH). However, DEFRA has reiterated its intention that the C4SLs should be used in generic risk assessment for proposed development, and there is indication that other parties will collaborate, in the near future, to extend the range of C4SL determinands beyond the six published so far.

8.2 In the absence of a final resolution to the issue, soil contamination test results in this report have been compared first against the more conservative S4UL, and where a C4SL exists for the same determinand, consideration given to the use of the C4SL for any exceedances of the S4UL, within the site specific context (including the use of benzo(a)pyrene as a surrogate marker for genotoxic PAH compounds, where appropriate). Where no S4UL exists for a determinand, for example lead, the C4SL has been used. The LQM/CIEH screening values have been calculated for soil organic matter contents of 1% and 2.5%, as well as 6%, and the appropriate screening value is used for the organic matter content of the soil. All the C4SL values published are for a soil organic matter content of 6%.

8.3 A table showing the screening values utilised is included in Appendix J.

Screening Values - Leachability and Groundwater

8.4 In order of preference, the Environmental Quality Standards (EQS) annual averages for freshwater have been used as generic screening values for these results. Where no EQS is available, the stringent UK Drinking Water Standards (DWS) have been used, and other sources in the absence of EQS and DWS, as indicated on the groundwater screening values table in Appendix J.

Soils Analysis

8.5 Twelve soil samples were issued to the UKAS accredited Chemtest Laboratory in Newmarket for a suite of testing (As, Cd, Cr (VI), Cr(III), Cu, Hg, Ni, Pb, Se, Zn, Total Sulphate, Water Soluble Sulphate, pH, Phenol-monohydric, Speciated PAH, Total TPH, Asbestos, and Organic Matter). The testing comprised:

- Three samples of made ground topsoil from TP1, TP6, and TP7
- Eight samples of Made Ground from TP2, TP3, TP4, TP5, TP8, TP9, TP10 and TP11
- One natural sample from TP8

8.6 Due to the historical use of the site as a dye works, TP2, TP4, and TP8 were also tested for PCBs, VOCs and SVOCs.

8.7 For made ground, any determinands with exceedances of screening values were subjected to statistical analysis to determine the 95% Upper Confidence Level (UCL). Statistical analysis of the made ground topsoil results, and the sample of natural strata, was not possible given the small number of samples obtained, although appropriate for the site circumstances.

Topsoil

8.8 A results summary table for determinands within the topsoil found to be above screening values is given below

Location	Depth (m)	Lead	Asbestos
TP1	0.1-0.2	24	NAD
TP6	0.1-0.2	110	NAD
TP7	0-0.05	300	Chrysotile
Screening Values		**200**	**-**

Exceedance

Values are in mg/kg unless indicated otherwise

8.9 It can be seen from the table that elevated lead, at 300mg/kg, is present within the topsoil made ground at TP7. Asbestos fibres of chrysotile were also identified within TP7. Asbestos quantification was undertaken on this sample to confirm the volume of asbestos. The total percentage of asbestos was determined to be 0.002%. The elevated lead and asbestos fibres within the topsoil will need to be considered further in the risk assessment.

Made Ground

8.10 A results summary table for determinands within the made ground found to be above screening values is given on the following page. There were some exceedances of genotoxic PAH compounds, but the dataset supports the use of benzo(a)pyrene (BaP) as a surrogate marker. Therefore, the other genotoxic PAH compounds are not considered further individually, in accordance with C4SL guidance. A results summary table for the determinands found to be above screening values is given below. The organic matter (OM) contents were taken into account, with each sample checked against appropriate screening values for the OM content present within the sample, unless the OM content result was deemed to be inappropriate due to interference from coal, ash or petroleum hydrocarbons.

Made Ground – Determinands With Exceedances

Location	Depth	BaP	Naph	Lead	Arsenic	Asbestos	OM
TP2	0.4-0.5	36	52	520	27	ND	5.5
TP3	0.1-0.3	0.7	1.1	88	18	ND	4.3
TP4	1.3-1.4	0.95	0.51	250	12	ND	3.3
TP5	0.1-0.3	0.47	0.4	250	7.3	ND	1.2
TP8	1.1-1.2	0.1	0.4	85	200	Chrysotile	26
TP9	0.1-0.2	0.1	0.1	24	5	Chrysotile	0.91
TP11	0.3-0.4	17	11	29	26	ND	11
TP13	0.3-0.4	2.2	0.63	23	12	ND	3.3
Screening Values		**5**	**5.6**	**200**	**37**		
95% UCL		**47.0**	**71.8**	**477**	**139.8**		
95% UCL Minus Outliers			**8.6**		**21.7**		

Exceedance
Outlier

BaP – Benzo(a)Pyrene
Naph – Naphthalene
Values are in mg/kg unless indicated otherwise

8.11 It can be seen from the table that six out of eight samples of the made ground contained determinands elevated above screening values. The 95% UCL concentrations of benzo(a)pyrene and lead are above the screening values, with no outliers. Therefore, the made ground should be considered as a whole in terms of risks to human health, i.e. attempting to isolate areas of "cleaner" made ground from the results would be inappropriate.

8.12 Naphthalene is elevated at two locations: - TP2 within the larger building in Area A, and TP11 located at the higher level in Area B. The risk driver for this determinand is vapour migration to indoor air. This will need to be considered further in the risk assessment. The material within TP2 is potentially up to around 0.6m thick, directly beneath the floor slab, to a depth of 0.8m. A tarry odour was noted at this depth. The PAH double ratio plot for this sample indicates the source to be derived from combustion likely to be associated with the former land use as a dye works. The material within TP11 has marginally elevated concentration, and is potentially up to around 0.5m thick. There was no indication of any odour within the material at this location. The PAH double ratio plot for this sample indicates the source to be coal within the made ground. PAH double ratio plots are included in Appendix J.

8.13 PCBs and VOCs were found to be either below detection limits or below appropriate screening values. Detectable concentrations of 2 methylnapthalene, Dibenzofuran and Carbazole were detected within TP2 which are all derived from coal tar. This is consistent with the historical land use as a dye works. The concentrations are very low and the determinands are not significantly volatile.

Asbestos

8.14 Asbestos fibres as chrysotile were detected within made ground at TP8 and TP9, in Area B. Quantification analysis confirmed that the asbestos volume at both locations was below detection limit (<0.001%). This will need to be considered further in the assessment.

Water/Leachability Analysis

8.15 Leachability testing was carried out on the samples from TP2 and TP13 showing elevated PAH and lead respectively. The laboratory test certificates are presented in Appendix J. The analysis shows the determinands have negligible leachability. Therefore, if the contamination was to be retained on site below a cover material, the contamination would be effectively immobile with respect to water/groundwater transport.

Updated Risk Assessment and Conceptual Model

8.16 The updated source – pathway – receptor matrix is presented below, taking into account the findings of the investigation. Any pathways in italics are deemed not to be viable, and the reason given.

Viable Source - Pathway - Receptor Matrix (Finished Development)

Contamination Sources	Pathways	Receptors	Severity of Consequence	Probability of Event	Risk
Made ground - Elevated lead, PAH, arsenic Made Ground - Naphthalene at TP2 (high) and TP11 (marginal) Topsoil - elevated lead	• Inhalation, ingestion and dermal contact with soil and dust	**Humans:-** • Future occupants • Maintenance workers • Adjacent residents and general public	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Fruit and vegetable intake, with soil	**Humans (as above)**	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• *Vapour inhalation outdoor (Negligible by this pathway)*	**Humans (as above)**	**Negligible**		
	• Vapour inhalation indoor – TP2 Only	**Humans (as above)**	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• *Migration in surface water (Leachability found to be negligible)*	• Surface water (nearest downslope is 36m to northwest. No abstractions within 1km)	**Negligible**		
	• *Migration in groundwater (Leachability found to be negligible)*	• Groundwater (Secondary A Aquifer, no abstractions within 1km)	**Negligible**		
	• Root uptake	**Vegetation:-** • Landscape areas • Private gardens	**Medium**	**Low Likelihood**	**Moderate/ Low**
	• Migration	**Services/Utilities:-** • Potable water supply	**Medium**	**Low Likelihood**	**Moderate/ Low**
Asbestos fibres within the made ground and topsoil made ground.	• Inhalation	• Future occupants • Maintenance workers • Adjacent residents and general public	**Severe**	**Low Likelihood**	**Moderate**
Possible asbestos within existing buildings.	• Inhalation	• Future occupants • Maintenance workers • Adjacent residents and general public	**Severe**	**Low Likelihood**	**Moderate**

8.17 It can be seen from the above matrix that several pathways to receptors are operative, with moderate risk applicable and this may affect users of the finished development. Some form of remedial action is, therefore, considered necessary to allow residential development without excess risk.

Risk Based Assessment of Remedial Options

Asbestos Within Existing Buildings

8.18 Provided an asbestos survey is carried out prior to any work on, or demolition of, the existing buildings on the site, and any identified asbestos is removed and disposed to a licenced facility, then the risk to receptors is low. The work should be carried out by appropriately qualified Contractors.

Topsoil made ground (lead and asbestos) - Ingestion, Dust Inhalation, Dermal Contact, Root Uptake, and Fruit and Vegetable Intake With Soil

8.19 The minimal topsoil made ground present on site is not suitable for re-use on the site. As topsoil is a poor engineering material, and cannot be placed under a cover blanket system due to the potential for gas generation, the material should be removed from site.

Made Ground (lead, asbestos and PAH, excluding naphthalene) - Ingestion, Dust Inhalation, Dermal Contact, Root Uptake, and Fruit and Vegetable Intake With Soil.

8.20 This pathway is automatically blocked where buildings or hardstanding are present above the material. However, in garden and landscaped areas, provision of a cover blanket of a minimum 0.6m thickness will be required, to reduce the risk to future users of the site to acceptable levels from these pathways. This assumes a worst case double dig scenario (i.e. 2 x spade depths). However, to prevent inadvertent future exposure due to other forms of excavation such as tree planting or construction of ponds, a hard break layer or robust geogrid/geotextile should be provided below the base of the cover blanket.). Alteration of ground levels directly adjacent to the base of any existing retaining walls or the top of retaining walls will need to be considered carefully to avoid adverse impact on these structures.

Made Ground - Vapour Inhalation Pathways to Indoor and Outdoor Air (naphthalene at TP2 and TP11).

8.21 The vapour pathways are not significant for the made ground on the vast majority of the site. The exceptions are TP2 (within the larger building in Area A) and TP11 (at the higher level in Area B), where naphthalene concentration of 52mg/kg and 11mg/kg respectively were detected. At these locations, the concentrations detected will pose excessive risk if present below building footprints, and should, therefore, be excluded from proposed and existing building footprints. The risk via the outdoor air pathway is negligible and, therefore, provided the material remains in garden or landscape areas only, below 0.6m thickness of cover blanket, the risks will be acceptable.

8.22 It is possible that the exceedances may not represent the bulk concentration present within the made ground at these locations. Additional testing could be undertaken in the vicinity of TP2 (following demolition of the building and removal of the floor slab) and TP11, to confirm the extent of the naphthalene contamination. It is possible that, if results are favourable, the general naphthalene concentration at these locations may be sufficiently low as to allow it remain below building footprints. This is particularly the case in the vicinity of TP11 where the concentration of naphthalene is considerably lower (marginally above screening values) and no odours were detected.

Migration to Utilities

8.23 Any migration to utilities is unlikely to be significant. However, the local water company are likely to require details of the contaminants present on the site, to make a judgment on any requirement for protection of buried water supply pipes from chemical attack/ingress.

Risks During Construction Period

8.24 It is also necessary to consider the effects of the contamination present on the site in relation to the risks to adjacent residents, construction workers and the general public during construction. This is assessed in the following matrix.

Source	Pathway	Potential risk	Risk after employing suitable Health and Safety plan.
Existing made ground	Inhalation	Moderate	Damping down of the site during dry periods and timely placement of the existing made ground below barriers should block this pathway and reduce the risk to negligible.
Existing made ground	Ingestion	Moderate	Site fencing will exclude access to members of the public. Existing made ground will be contained within the site boundary, and placed below barriers as soon as possible. Washing facilities and a clean mess room from which work boots and overalls are excluded should be provided. These measures should block this pathway and reduce the risk to negligible.
Existing made ground	Contact	Moderate	Education of workers to use adequate hygiene and PPE should block this pathway and reduce the risk to negligible.
Existing made ground	Surface water	Moderate	Preventing surface water run off by minimising open exposure times of the existing made ground, and using bunds or cut off trenches as necessary should block this pathway and reduce the risk to negligible.
Asbestos in existing buildings	Inhalation	High	Provided an asbestos survey is carried out, and any identified asbestos is removed from site prior to any other works commencing, the pathway is blocked and the risk is negligible.

8.25 Provision of all the above measures will ensure that all the identified pathways for the contamination will be blocked.

Summary of Contamination Assessment and Remedial Options

8.26 The site is underlain by up to 3m thickness of made ground, generally less than 1m thick, overlying cohesive and granular natural residual soils. The topsoil made ground was found to contain elevated lead, with a maximum concentration of 300mg/kg, and fibres of chrysotile asbestos. The made ground was found to contain elevated concentrations of BaP, Naphthalene

and lead, at maximum concentrations of 36mg/kg, 52mg/kg and 520mg/kg respectively. Localised chrysotile asbestos fibres were also identified within the made ground in Area B. The volume of asbestos was found to be between <0.001% and 0.002%. Leachability was found to be negligible.

8.27 The contamination risk assessment, and assessment of remedial options, has indicated that, provided that the following remedial measures are adopted then the risks to the identified receptors are deemed acceptable for the proposed development of residential properties with private gardens and apartments.

8.27.1 An asbestos survey should be carried out prior to any work on, or demolition of, the existing buildings on the site, and any identified asbestos should be removed and disposed to a licenced facility. The work should be carried out by appropriately qualified Contractors.

8.27.2 Only minimal topsoil is present on the site and, where present, all the existing topsoil should be removed from the site. The receiving tip may require Waste Acceptance Criteria testing. Independent validation inspection will be required, to verify removal of all the affected topsoil. The disposal/transfer documents should be retained for inclusion in the Validation Report.

8.27.3 Where any garden or landscape areas overlie the existing made ground, a minimum 0.6m thickness of uncontaminated soils (topsoil and subsoil) should be provided. As chrysotile fibres have been identified, it is recommended that the cover blanket be underlain by a minimum 0.1m thick hard break layer of coarse stone, or a robust geotextile. In areas of hardstanding or building footprints, the cover blanket is not required. Made ground can be moved to other areas of the site in order to suit proposed levels and achieve the required cover.

8.27.4 Made ground from TP2 and TP11 should be excluded from footprints. However, additional testing at/around these locations (TP2 following demolition of the building

and removal of floor slab) could, if the general concentrations are sufficiently low, allow the exclusion measures to be waived, or at least confirm the extent of the naphthalene contamination.

8.27.5 Any imported soils used within the cover blanket will need to be verified as suitable by inspection and testing, in accordance with guidance supplied in the document produced by the Yorkshire and Lincolnshire Pollution Advisory Group (YALPAG): "Guidance on the Verification Requirements for Cover Systems".

8.28 The local water company are likely to require details of the contaminants present on the site, to make a judgment on any requirement for protection of buried water supply pipes from chemical attack/ingress.

8.29 A Contamination Remediation Statement is included in Appendix K.

9.0 GEOTECHNICAL TESTING

9.1 Selected samples of the natural strata were delivered to PSL in Doncaster for testing with regard to plasticity indices and moisture content. Test certificates are presented in Appendix J and a summary of the results, including Modified Plasticity Indices, is given below.

Location	Depth (m)	MC	LL	PL	PI	<425µm	I'p
TP1	0.8 - 1.0	14	30	16	14	87	12.2
TP2	2.9-3.0	34	54	33	21	92	19.3
TP8	2.8-3.0	22	43	21	22	84	18.5
							3
Min.		14	30	16	14	84	12.2
Max.		34	54	33	22	92	19.3

I'p	VCP
>40%	High
20% - <40%	Medium
10% - <20%	Low

MC= Moisture Content (%) LL= Liquid Limit (%) PL= Plastic Limit (%)
PI= Plasticity Index (%) I'p= Modified PI (%) VCP= NHBC Standard Chapter 4.2 Volume Change Potential

9.2 The plasticity test data show clays of low to high plasticity, in accordance with BS 5930:2015 +A1:2020 "Code of Practice for Site Investigations". When the percentage retained on the 425 micron BS sieve is considered, the Modified Plasticity Index, in accordance with NHBC Standard Chapter 4.2 "Building Near Trees" is a maximum of 19.3. In accordance with the Standard, this equates to Medium Volume Change Potential.

9.3 Geochemical testing (water soluble sulphate and pH) was undertaken on selected samples by Chemtech and Chemtest, comprising five samples of natural strata and eight samples of made ground. In accordance with the BRE Special Digest 1 "Concrete in aggressive ground", the characteristic values for the two materials are given below:

Characteristic Values

Material	pH	SO_4
Made Ground	8.2	1,450
Natural Strata	4.6	208

SO_4 = Sulphate content in mg/l on a 2:1 water : soil extract pH = Acidity

9.4 The geochemical analyses show the natural strata to have low water soluble sulphate content and an acidic pH. The Aggressive Chemical Environment for Concrete (ACEC) class is AC-2z. Testing on the made ground indicates class AC-2. Therefore, the use of FND2Z designated concrete will be necessary for unreinforced buried concrete, in accordance with BS 8500-1:2015+A2:2019, if the existing made ground is to be retained. For any reinforced buried concrete, other design-specific mixes will apply.

10.0 GEOTECHNICAL ASSESSMENT

Coal Mining and Coal Recovery

10.1 The site is not in a coal mine reporting area and can be considered stable in this regard.

Foundations

Area A

10.2 The made ground on the site is not considered suitable for support of foundation loads. In Area A, the underlying natural soils are considered suitable, for the use of strip/trench fill foundations. An allowable bearing pressure of 100kN/m^2 is considered applicable. A higher bearing capacity can be achieved if founded on intact bedrock, which was present as shallow as 0.1m depth on Area A. As the existing site platforms are formed by terraces constructed into the hillside, with the exception of the basement at TP4, rock is likely to be shallower towards the rear (southeast) of the platforms and deeper towards the northwest.

10.3 Any foundation excavations into basement areas, such as encountered at TP4, are likely to be unstable, with the faces comprising demolition rubble. An alternative solution to trench fill would be required, such as piles, or the material could be excavated and replaced/compacted to a lower level by material that could remain stable and allow a trench less than 2.5m deep to be excavated. General levels could then be built back up once the foundations have been formed.

10.4 Where rock is present at shallow depth, foundations should be taken to at least a depth of 0.45m, to prevent potential adverse effects from frost. This may require the use of a hydraulic breaker.

Area B

10.5 In Area B, piled foundations may be required for proposed buildings towards the entrance of Hoyle Ing and adjacent to TP8, to avoid imposing additional loading on existing/proposed retaining walls. Piles should be well socketed into bedrock. As intact bedrock is encountered at shallow depth in TP9, any building in this vicinity is unlikely to require piling.

10.6 The clays, where present, were shown to be of Medium Volume Change Potential. Therefore, in accordance with NHBC Standard Chapter 4.2 "Building Near Trees", in the absence of trees, a minimum foundation depth of 0.9m below existing or proposed ground level is applicable, whichever is the lower. However, in the presence of any proposed, existing or removed trees, the foundation may need to be deepened, depending on the type of tree and its distance from the face of the foundation. If not already available, a tree survey may be required to enable a foundation schedule to be prepared. The tree survey will also need to consider trees on third party properties.

10.7 Where the founding strata are non-plastic, the minimum foundation depths given in NHBC Standard Chapter 4.2 "Building Near Trees" do not apply. However, to protect against fines washing subsidence in the event of a burst water supply pipe, it is recommended that a foundation depth of 0.9m is adopted in proximity to any such pipes. Where intact bedrock is present, a minimum foundation depth of 0.45m is required.

10.8 It is recommended that the guidance contained within NHBC Standard Chapter 4.2 "Building Near Trees" is observed in relation to any requirement for heave protection. A tree survey may be required for this, if not already available.

10.9 The foundations in Area A should be taken below the depth of any existing foundations or obstructions, onto natural ground. The whole plan area of the foundation should be placed on similar natural material. Foundations should be reinforced where it is necessary to transition from suitable granular to suitable cohesive strata within a proposed building footprint.

10.10 If bedrock is encountered on part of a foundation excavation, the rest of the plot should be deepened to ensure founding on similar material. However, if rock is not encountered by 2.5m depth on the remainder of the plot, then the Engineer should be contacted for further advice.

10.11 Foundations within 20m either side of the geological fault indicated to cross the site will need to be 300mm thick and reinforced with two layers of B503 mesh – one near the bottom and one near the top, to mitigate any potential differential settlement associated with more deeply weathered zones or tilted/stepped strata.

Excavations

10.12 It is likely that excavations into the natural strata will remain stable in the short term, requiring minimal trench support, in accordance with the prevailing statutory guidance. However, instability can be anticipated within the made ground, for example the demolition rubble filled basement at TP4.

10.13 No noticeable groundwater was detected during the site investigation. However, the soil within TP8 was wet between 2.5 and 3.5m depth. Any such encounters should be controllable by pumping from an artificial sump.

10.14 Excavations into made ground and residual subsoils should be readily achieved using conventional hydraulic plant. However, excavations into intact bedrock (present as shallow as 0.1m (TP6)) or any buried foundations and structures, are likely to require a hydraulic breaker.

Chemical Precautions

10.15 The Aggressive Chemical Environment for Concrete (ACEC) class is AC-2z for natural strata and AC-2 for made ground. Therefore, the use of FND2z designated concrete will be satisfactory for unreinforced buried concrete, in accordance with BS 8500-1:2015+A2:2019. For any reinforced buried concrete, other design-specific mixes will apply.

Road Pavement Construction

10.16 For any areas of road pavement, including parking areas, the formation will likely comprise granular residual soils in Area A, possibly localised rock, and cohesive residual soils in Area B. Based on the observed characteristics of the cohesive soils, and the results of the plasticity testing, a design California Bearing Ratio (CBR) value of 2.5% is considered applicable on the cohesive soils, below any obvious soft spots, and at equilibrium moisture content. If considered necessary, this should be confirmed by testing at proposed subgrade level before construction. Formation of roads on the existing made ground will not be acceptable. A higher CBR value, well above 15%, is considered to be applicable where granular residual soils, or rock, are present at formation level.

Flooding and Soakaways

10.17 The site is not at risk from river flooding. The risks of flooding from other causes such as adverse topography or insufficient surface water drainage, are not considered here. If such risk needs to be quantified, a separate specialist Flood Risk and Drainage Report should be commissioned, if not already available.

10.18 The disposal of surface water using soakaways is not considered to be practical on the site due to the presence of retaining structures on the site.

Gas Protection

10.19 No radon protective measures are required for properties constructed on the site.

10.20 There are no landfills indicated to be present within 250m of the site, but archive maps indicate that a quarry which extended to within 100m of the southwestern end of the site was briefly used as a tip. However, the area of the former tip is at least 22m higher than the highest point on site. The risk of soil gas migrating 100m laterally and down a minimum 22m drop in level, through sandstones without any cap of drift deposits, is considered to be negligible. Therefore,

the site is not considered to be at risk from gas generation associated with the potentially infilled quarry. No gas protection measures are considered necessary. This conclusion will be subject to the agreement of the regulatory authorities.

Retaining walls

10.21 Possible issues associated with the development of the upper level in Area B are summarised below;

- Piled foundations may be required for proposed buildings towards the entrance of Hoyle Ing and adjacent to TP8 to avoid imposing additional loading on existing/proposed retaining walls. As intact bedrock is encountered at shallow depth in TP9, any building in this vicinity is unlikely to require piling.
- The larger existing building to be demolished forms part of the existing retaining wall. Therefore, temporary retention will be required during the demolition of this building and the retaining wall that is to be replaced (brown dash on the proposed layout plan).
- Suitable drainage will be required to the rear of any proposed retaining walls.
- Surface water sewer and electricity cable are present on site near the entrance with Hoyle Ings.
- Foundations to the proposed retaining wall between TP8 and TP10 are likely to require reinforcement due to the presence of a geological fault.
- The brick retaining wall requires structural assessment before removal, for safety reasons.

Additional works:

10.22 The following additional works are recommended;

- To assess the structural integrity of the existing sandstone retaining wall that is to remain, it is recommended that a structural survey is undertaken together with associated structural calculations.
- Structural surveys may also be required for the existing chimney and the retaining walls along the site boundary.

- A supplementary investigation in the blue zone on the site investigation plan in Appendix H to confirm ground conditions between the two brick retaining walls. Safe access to this area is an issue, it is likely that a hand auguring process would be most beneficial, however a small hand held windowless sampling borehole rig may be able to gain access to part of this area.
- Supplementary testing in the vicinity of TP2 following the demolition of the existing building and removal of floor slab and in the vicinity of TP11 to delineate the extent of the naphthalene contamination.

Party Wall Aspects

10.23 The proposed layout indicates properties are in close proximity to the site boundaries. The requirements of The Party Wall Act 1996 should be observed, and it is possible that a Party Wall Surveyor may need to be appointed.

APPENDIX A

SITE LOCATION PLAN AND AERIAL PHOTOGRAPH

ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project	FORMER HOYLE ING DYE WORKS, MANCHESTER RD, LINTHWAITE
Client	HIGHSTONE BUILDING SERVICES LTD
Title	SITE LOCATION PLAN
Date	MARCH 2021
Drawn	OG
Scale	AS SHOWN
Job No.	**HIG/01**

ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project	FORMER HOYLE ING DYE WORKS, MANCHESTER RD, LINTHWAITE
Client	HIGHSTONE BUILDING SERVICES LTD
Title	AERIAL PHOTOGRAPH
Date	MARCH 2021
Drawn	OG
Scale	AS SHOWN
Job No.	**HIG/01**

APPENDIX B

SITE WALKOVER PHOTOGRAPHS

Retaining wall

Photograph 1: Sandstone retaining wall in background, brick retaining wall to the right. Photograph facing south.

Photograph 2: Higher plateau above the retaining wall in photograph 1. Photograph facing northwest.

Photograph 3: Exposed foundation of the sandstone retaining wall in TP6.

Photograph 4: Close-up of exposed foundation in TP6

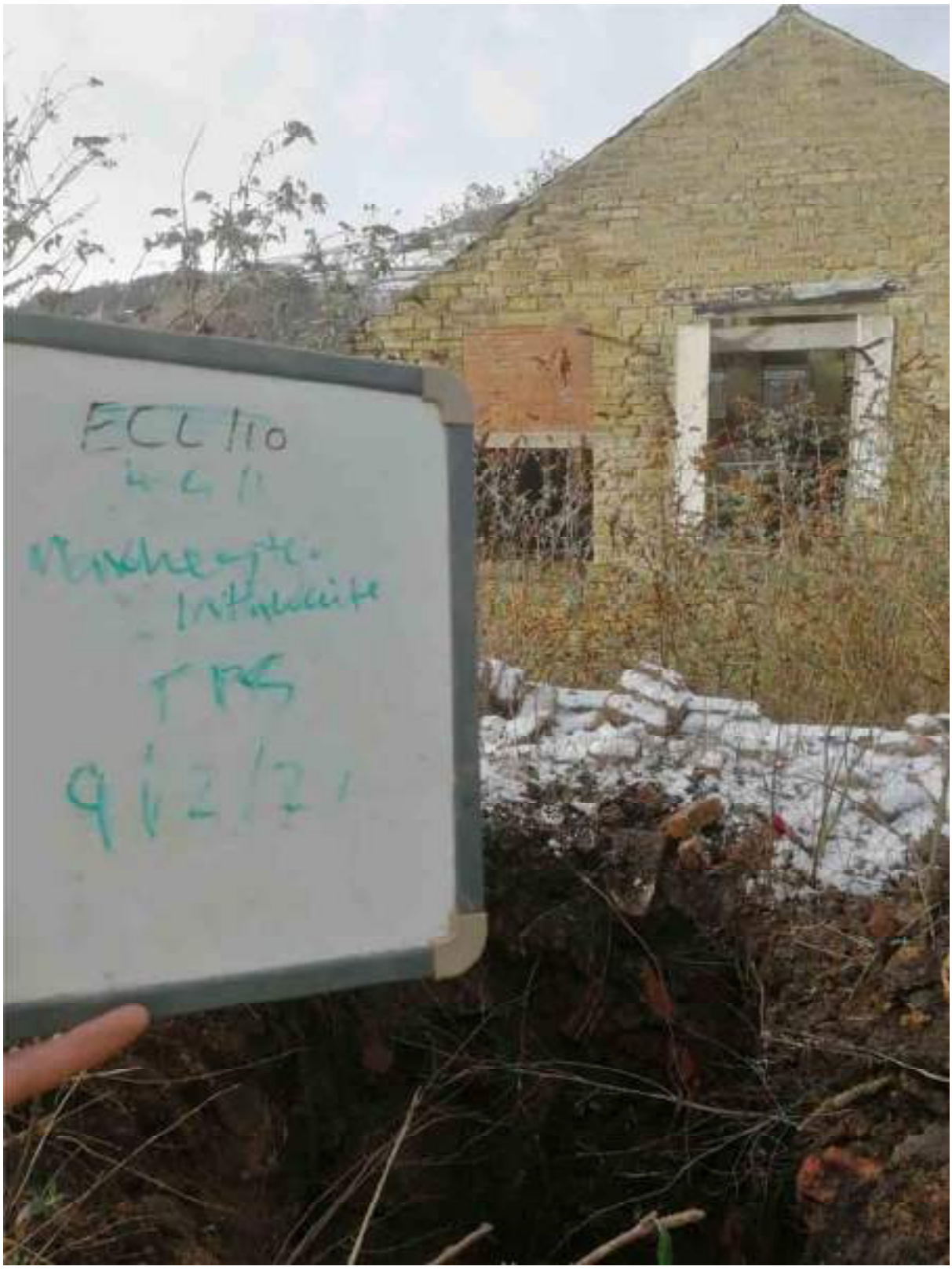
Photograph 5: Base of TP9 positioned at the top of the retaining wall in photograph 1.

Photograph 6: Damage to the brick retaining wall. Photograph taken facing south.

Photograph 7: Location of TP7 undertaken to expose foundations of brick retaining wall in photograph 6.

Photograph 8: Exposed foundations in TP7

Photograph 9: Close-up of exposed foundations in TP7



Photograph 10: Location of TP8 at the higher ground to the rear of the main building.

Photograph 11: Base of trial pit TP8.

AREA A

Photograph 11: Entrance to Area A off Manchester Road, facing northwest.

Photograph 12: Northern end of Area A , facing north

Photograph 13: Chimney at northern end of Area A.

Photograph 14: Large dilapidated building in Area A.

Photograph 15: Inside the dilapidated building in photograph 14.

Photograph 16: Area of rough ground between the two dilapidated buildings in Area A, facing southeast.

Photograph 17: View from opening in larger building looking towards the smaller building.

AREA B

Photograph 18: Retaining wall at northern boundary of Area B (above sandstone retaining wall in photograph 1).

Photograph 19: Retaining wall along eastern boundary of Area B.

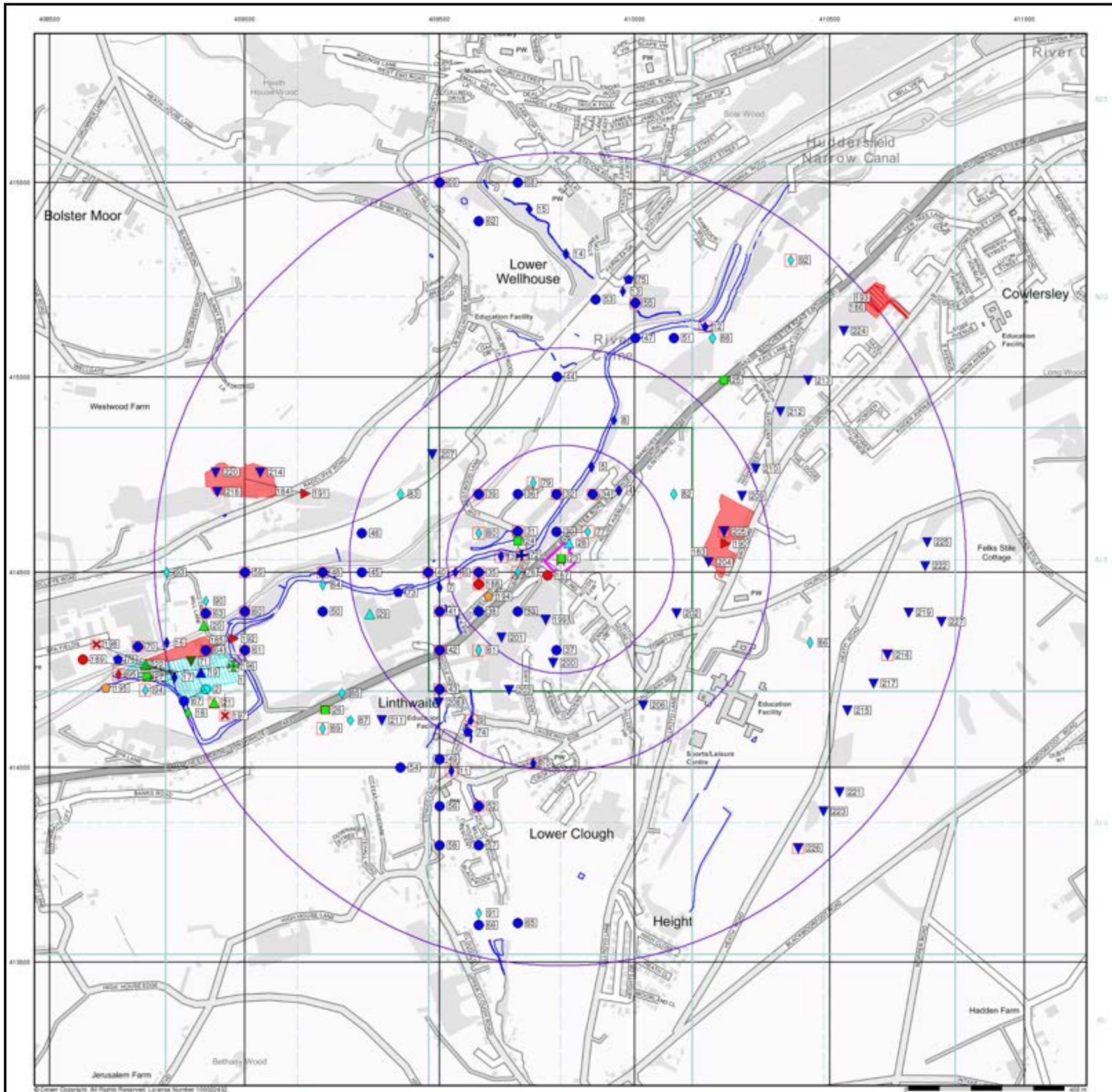
Photograph 20: At the top of the sandstone retaining wall in photograph 1, facing southwest.

Photograph 21: Dense vegetation in Area B, looking down to Area A.

Photograph 22: Central part of Area B looking northwest towards the larger building in Area A.

APPENDIX C

ORDNANCE SURVEY ARCHIVE MAPS



ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

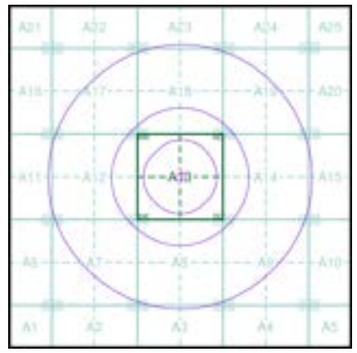
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



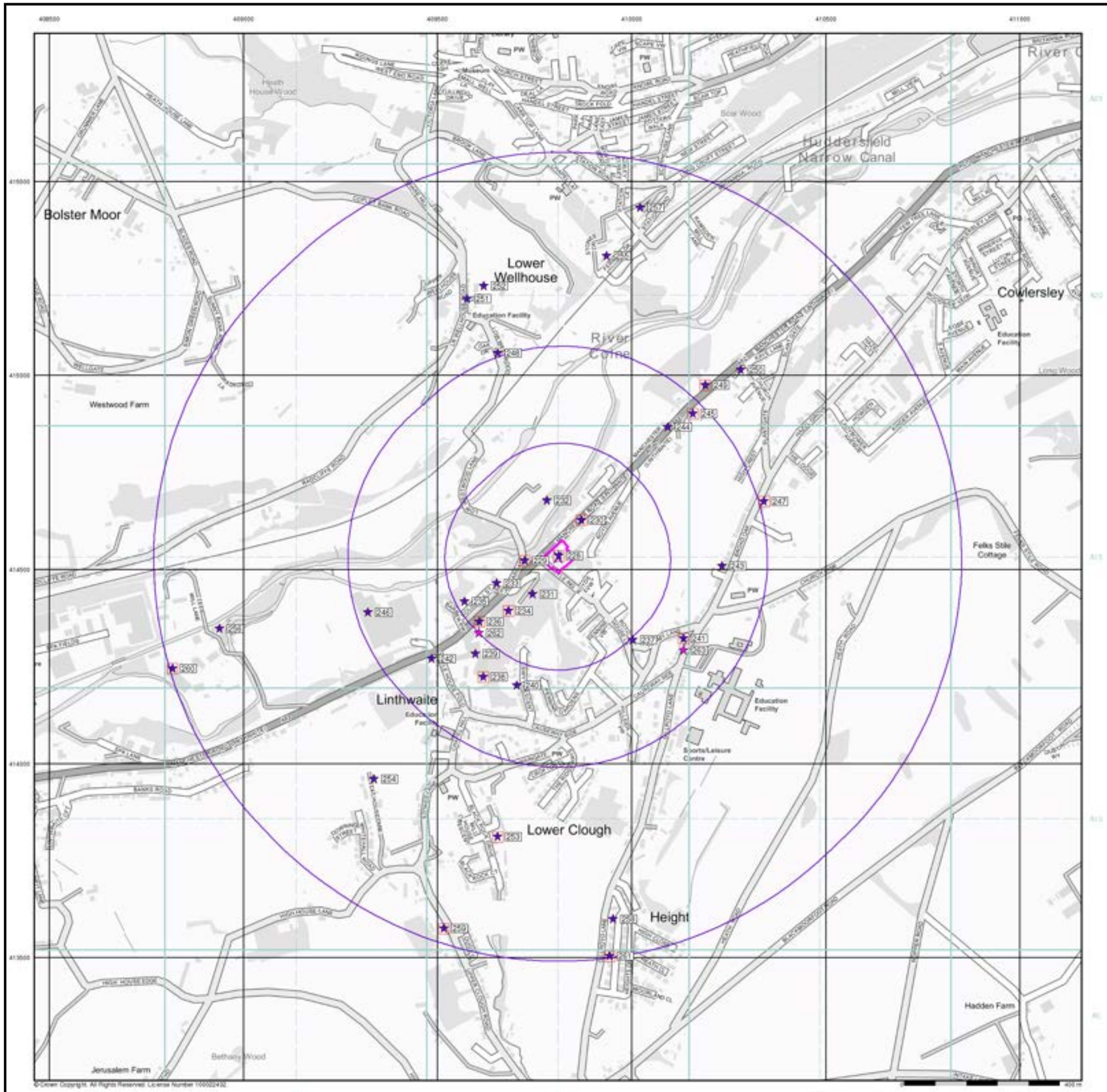
Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

Industrial Land Use Map

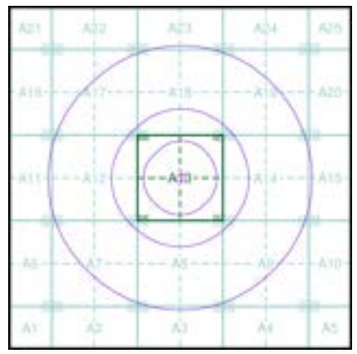
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice A



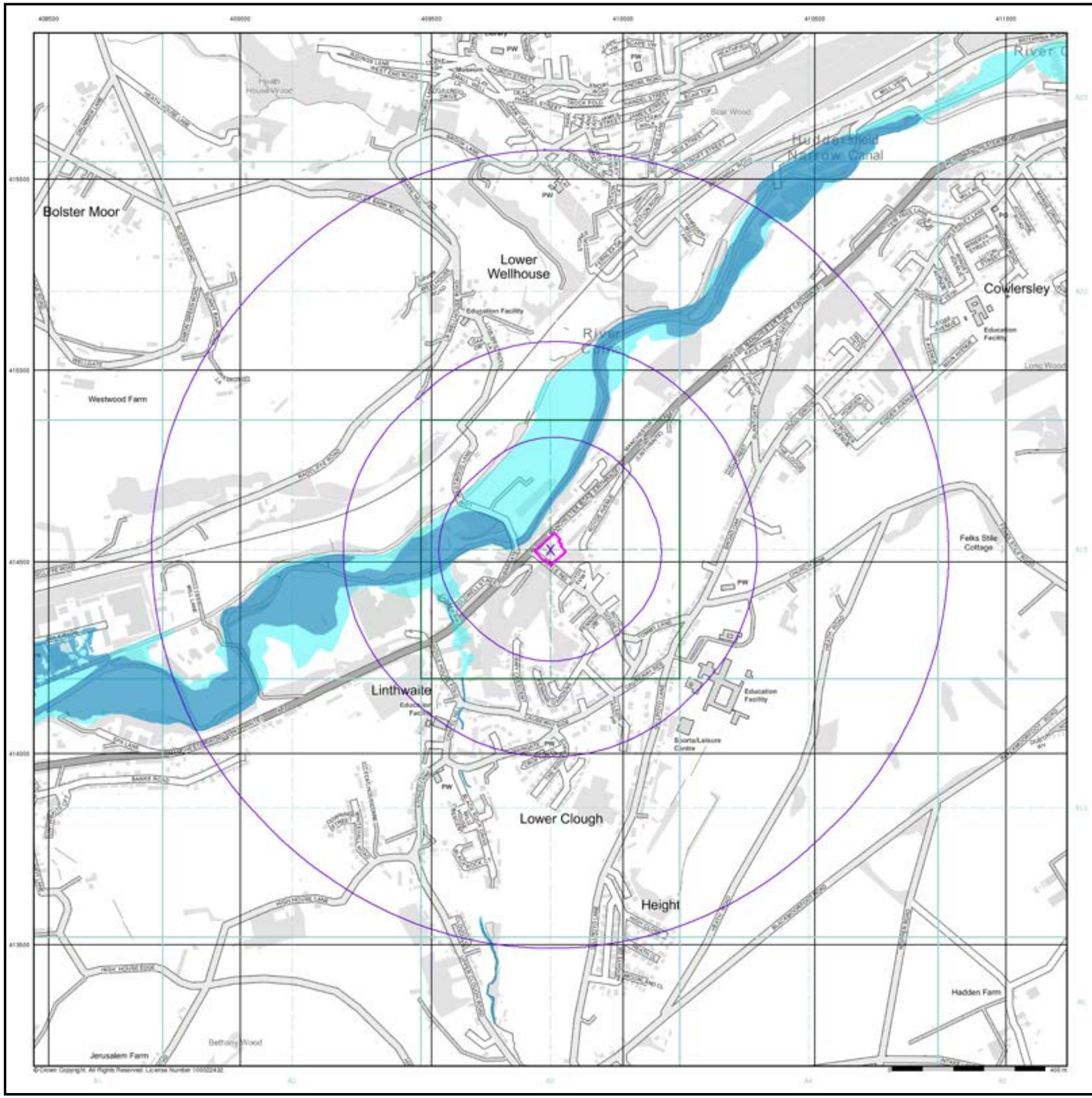
Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

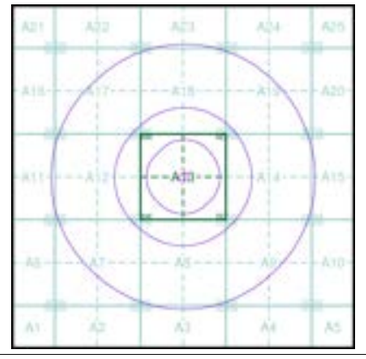
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

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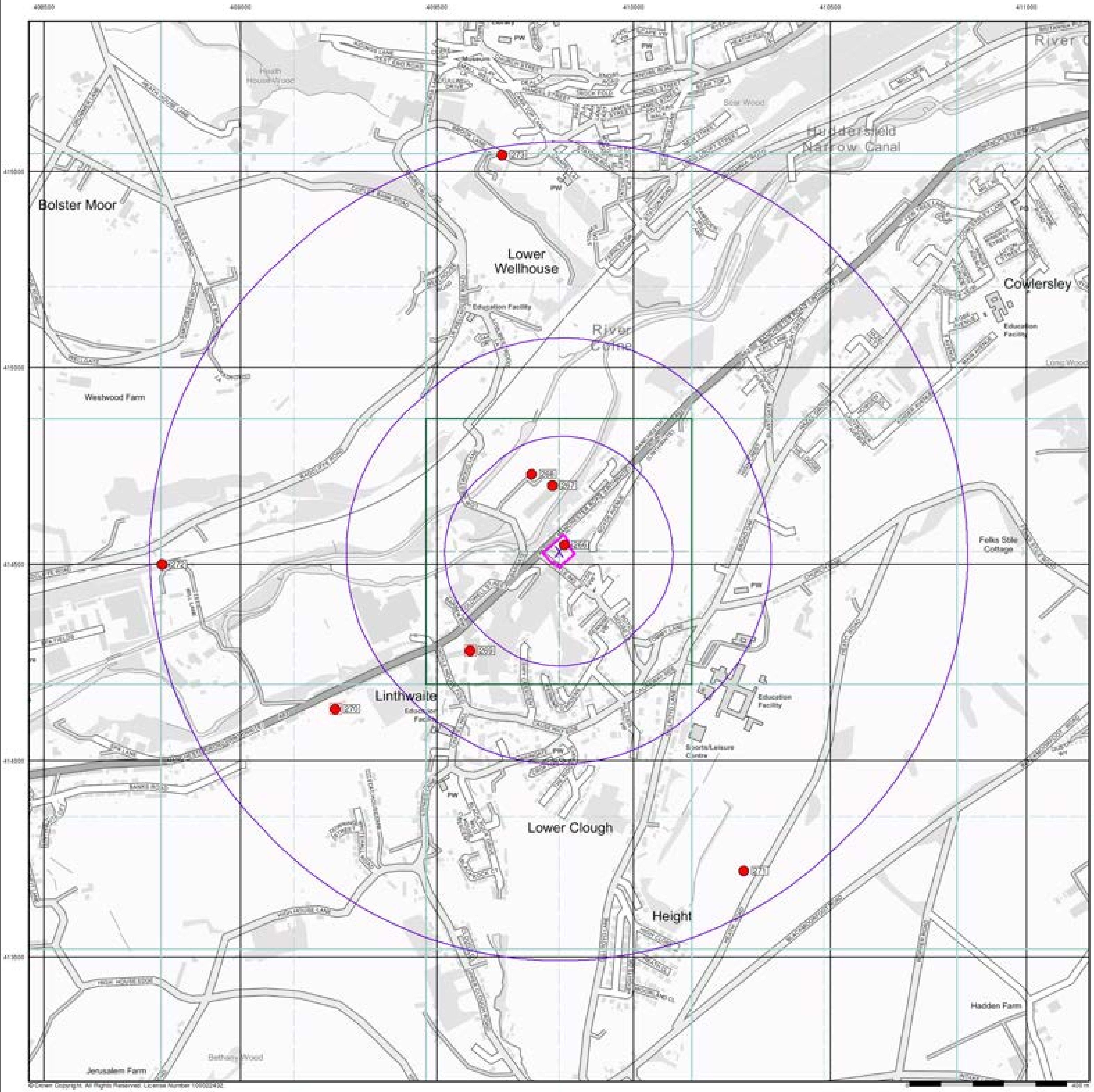


ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- 8 Map ID
- Several of Type at Location

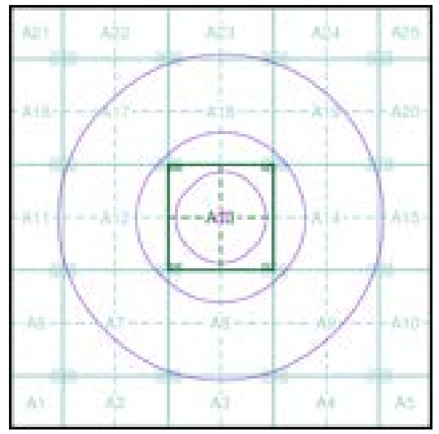
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 272688077_1_1
Customer Ref: HIG/01
National Grid Reference: 409810, 414530
Slice: A
Site Area (Ha): 0.35
Search Buffer (m): 1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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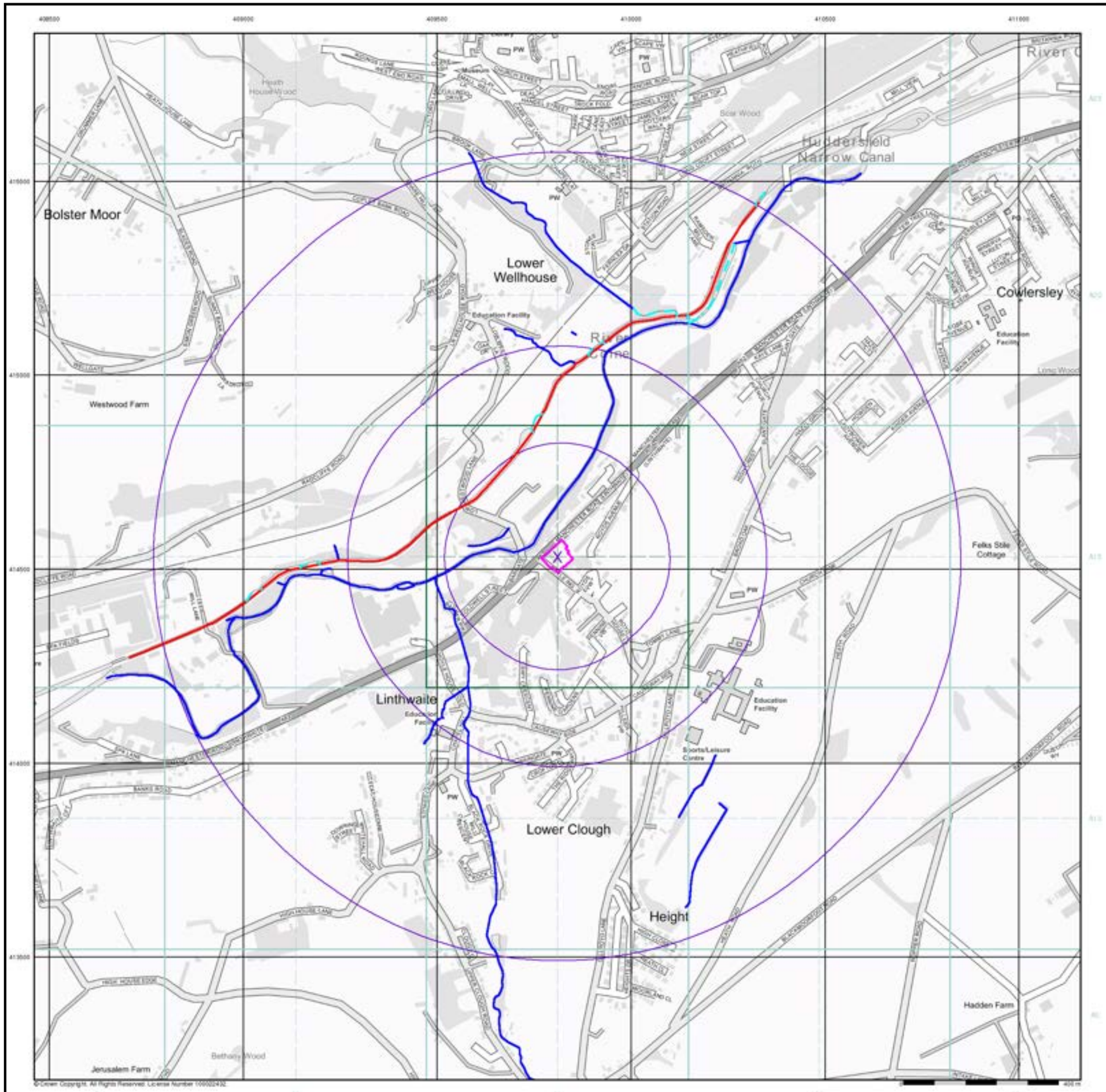
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice A

Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
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Search Buffer (m):	1000

Site Details

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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Large-Scale National Grid Data 1:2,500 and 1:1,250

ARP GEOTECHNICAL LTD

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1892	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1918	4
Ordnance Survey Plan	1:2,500	1963 - 1968	5
Additional SIMs	1:2,500	1968 - 1978	6
Ordnance Survey Plan	1:2,500	1977 - 1992	7
Ordnance Survey Plan	1:2,500	1984	8
Additional SIMs	1:2,500	1985	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1994	11
Large-Scale National Grid Data	1:2,500	1996	12
Large-Scale National Grid Data	1:2,500	1996	13

Historical Map - Segment A13

N

Order Details

Order Number: 272688077_1_1
Customer Ref: HIG/01
National Grid Reference: 409810, 414530
Slice: A
Site Area (Ha): 0.35
Search Buffer (m): 100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

ARP GEOTECHNICAL LTD

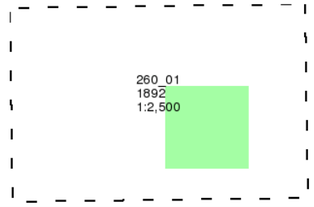
Yorkshire

Published 1892

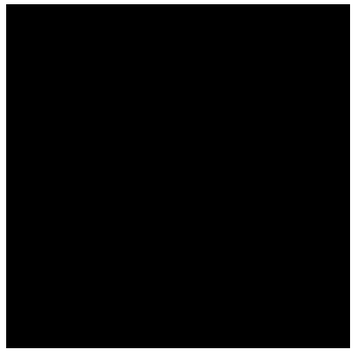
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

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Web: www.envirocheck.co.uk

ARP GEOTECHNICAL LTD

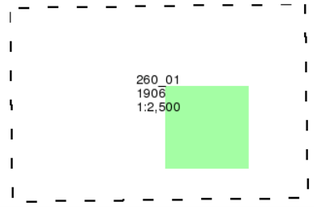
Yorkshire

Published 1906

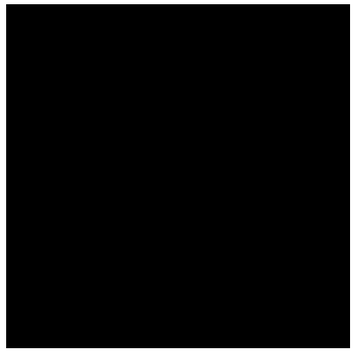
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

ARP GEOTECHNICAL LTD

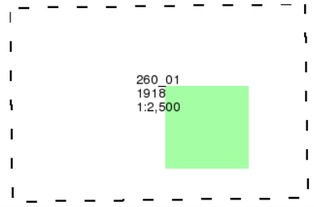
Yorkshire

Published 1918

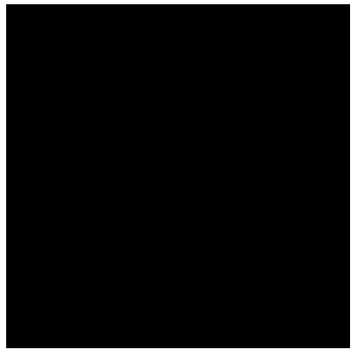
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

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ARP GEOTECHNICAL LTD

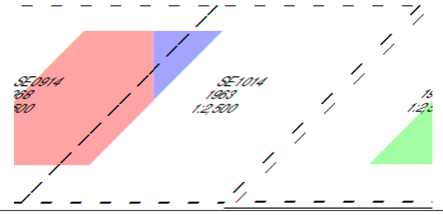
Ordnance Survey Plan

Published 1963 - 1968

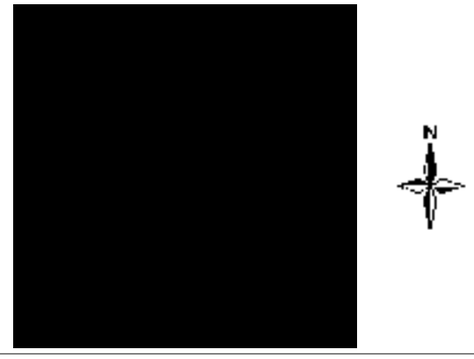
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP

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ARP GEOTECHNICAL LTD

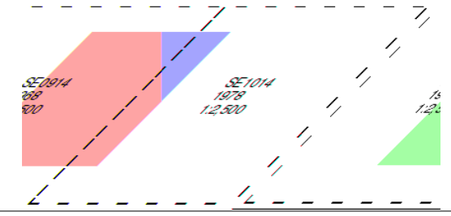
Additional SIMs

Published 1968 - 1978

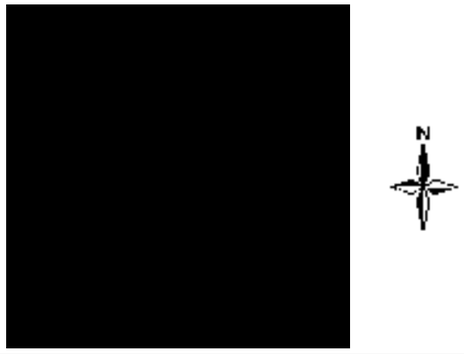
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

ARP GEOTECHNICAL LTD

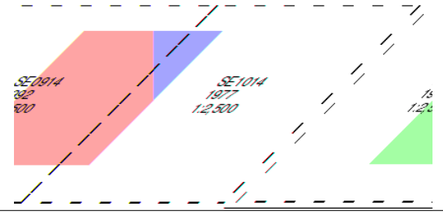
Ordnance Survey Plan

Published 1977 - 1992

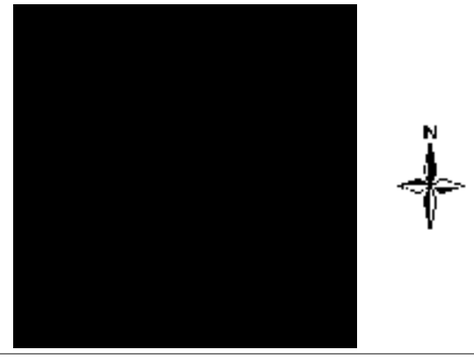
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

ARP GEOTECHNICAL LTD

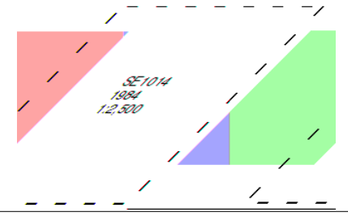
Ordnance Survey Plan

Published 1984

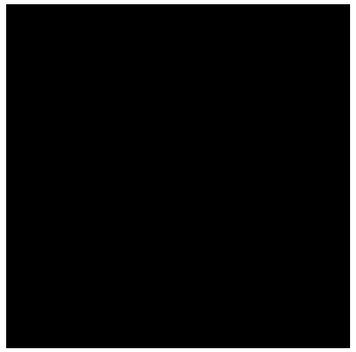
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

ARP GEOTECHNICAL LTD

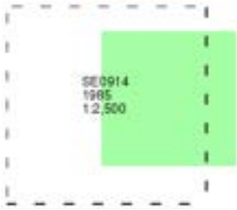
Additional SIMs

Published 1985

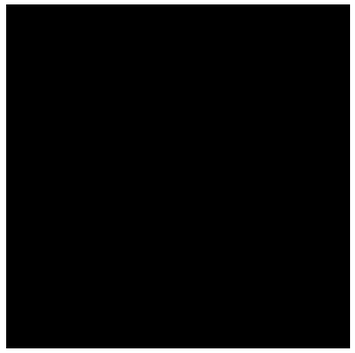
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

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ARP GEOTECHNICAL LTD

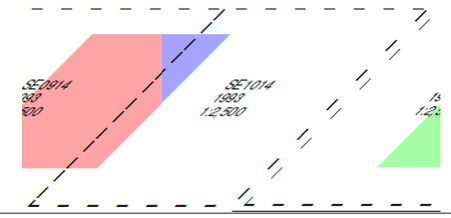
Large-Scale National Grid Data

Published 1993

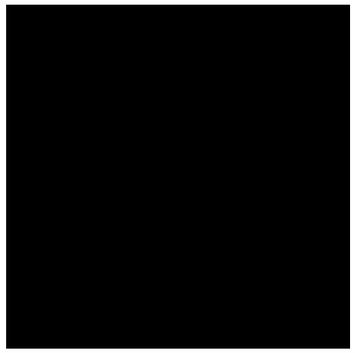
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

ARP GEOTECHNICAL LTD

Large-Scale National Grid Data

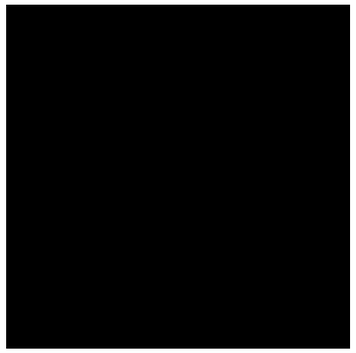
Published 1994

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
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Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	100

Site Details

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ARP GEOTECHNICAL LTD

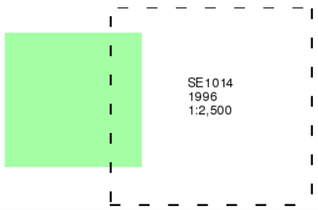
Large-Scale National Grid Data

Published 1996

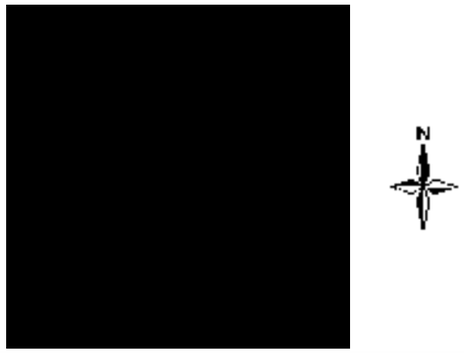
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	272688077_1_1
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National Grid Reference:	409810, 414530
Slice:	A
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ARP GEOTECHNICAL LTD

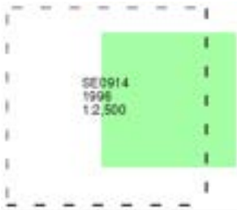
Large-Scale National Grid Data

Published 1996

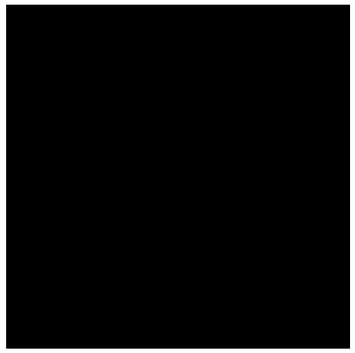
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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National Grid Reference:	409810, 414530
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Search Buffer (m):	100

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

APPENDIX D

LANDMARK GEOLOGY MAPS

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MG	Millstone Grit Group [See also Migr]	Mudstone, Siltstone and Sandstone	Not Supplied - Namurian
		Faults		
		Rock Segments		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	ALF	Alluvial Fan Deposits	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Diamicton	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ROSSE	Rossendale Formation	Mudstone and Siltstone	Not Supplied - Namurian
	MGCY	Unnamed Sandstone of Yeadonian Age (In Millstone Grit Group)	Sandstone	Not Supplied - Namurian
	RF	Rough Rock Flags	Sandstone	Not Supplied - Namurian
	RR	Rough Rock	Sandstone	Not Supplied - Namurian
	MGG	Midgley Grit	Sandstone	Not Supplied - Namurian
	MARSD	Marsden Formation	Mudstone and Siltstone	Not Supplied - Namurian
	GSYG	Guiseley Grit	Sandstone	Not Supplied - Namurian
	EC	East Carlton Grit	Sandstone	Not Supplied - Namurian
	HDW	Huddersfield White Rock	Sandstone	Not Supplied - Namurian
	RDG	Readycon Dean Flags	Sandstone	Not Supplied - Namurian

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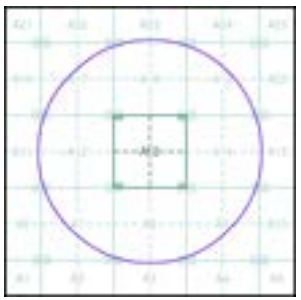
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**077**
Map Name:	**Huddersfield**
Map Date:	**2003**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A



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Customer Reference:	HIG/01
National Grid Reference:	409810, 414530
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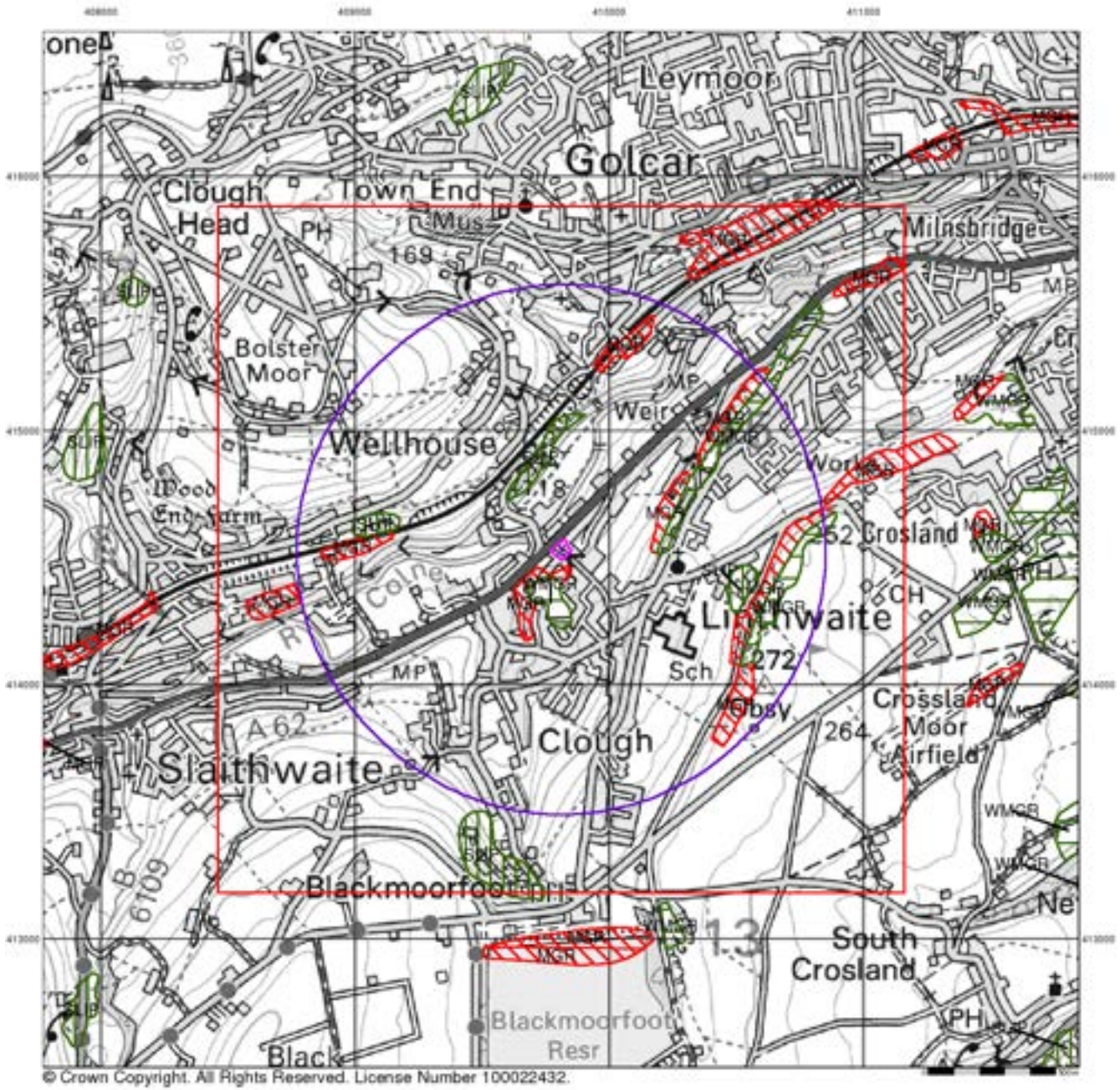
Search Buffer (m):	1000

Site Details:

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



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Artificial Ground and Landslip

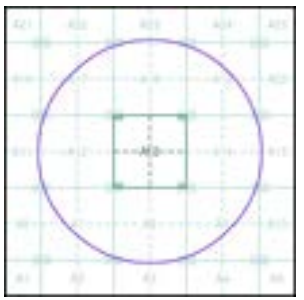
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

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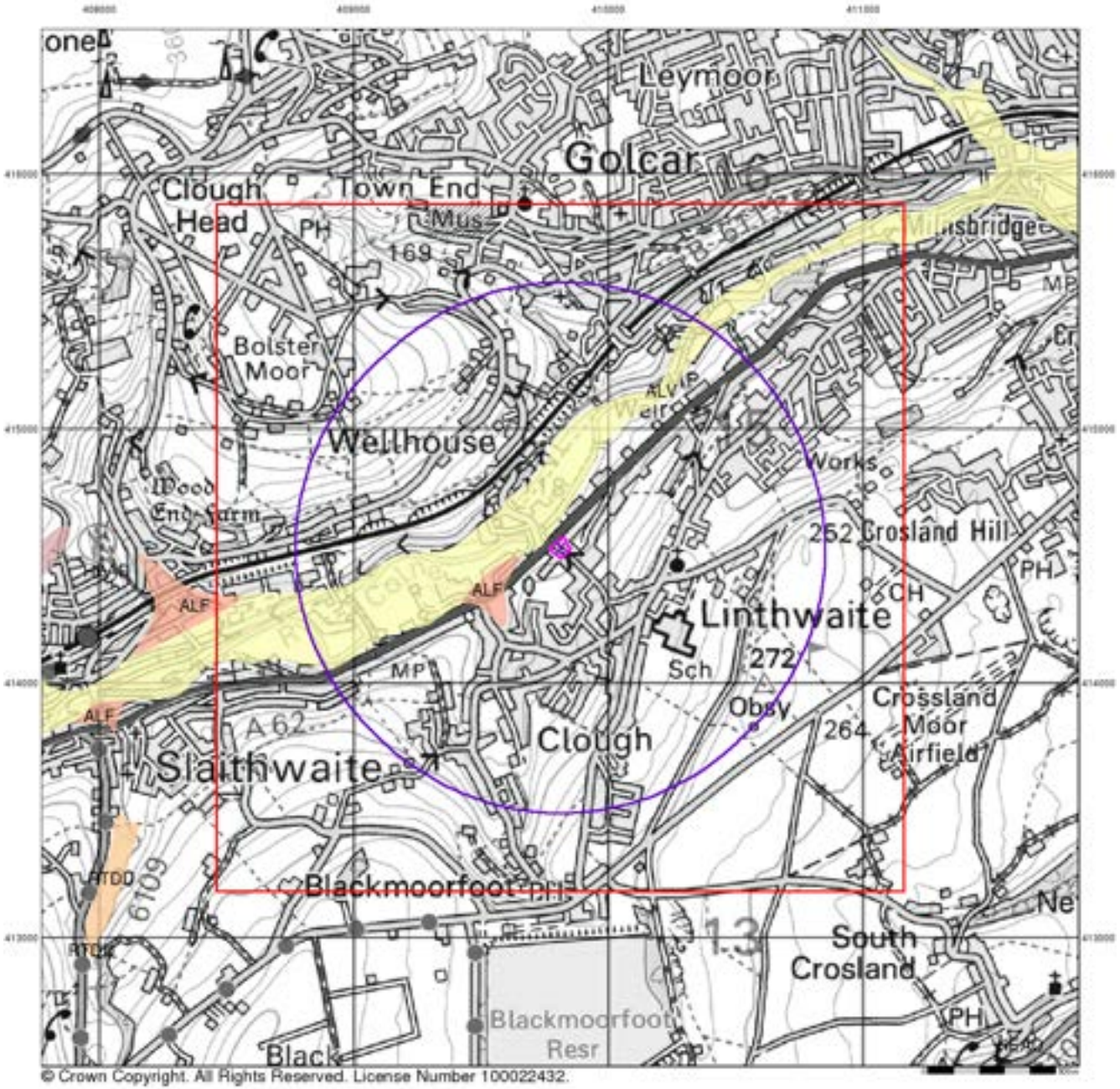
Customer Reference:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details:

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



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Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A

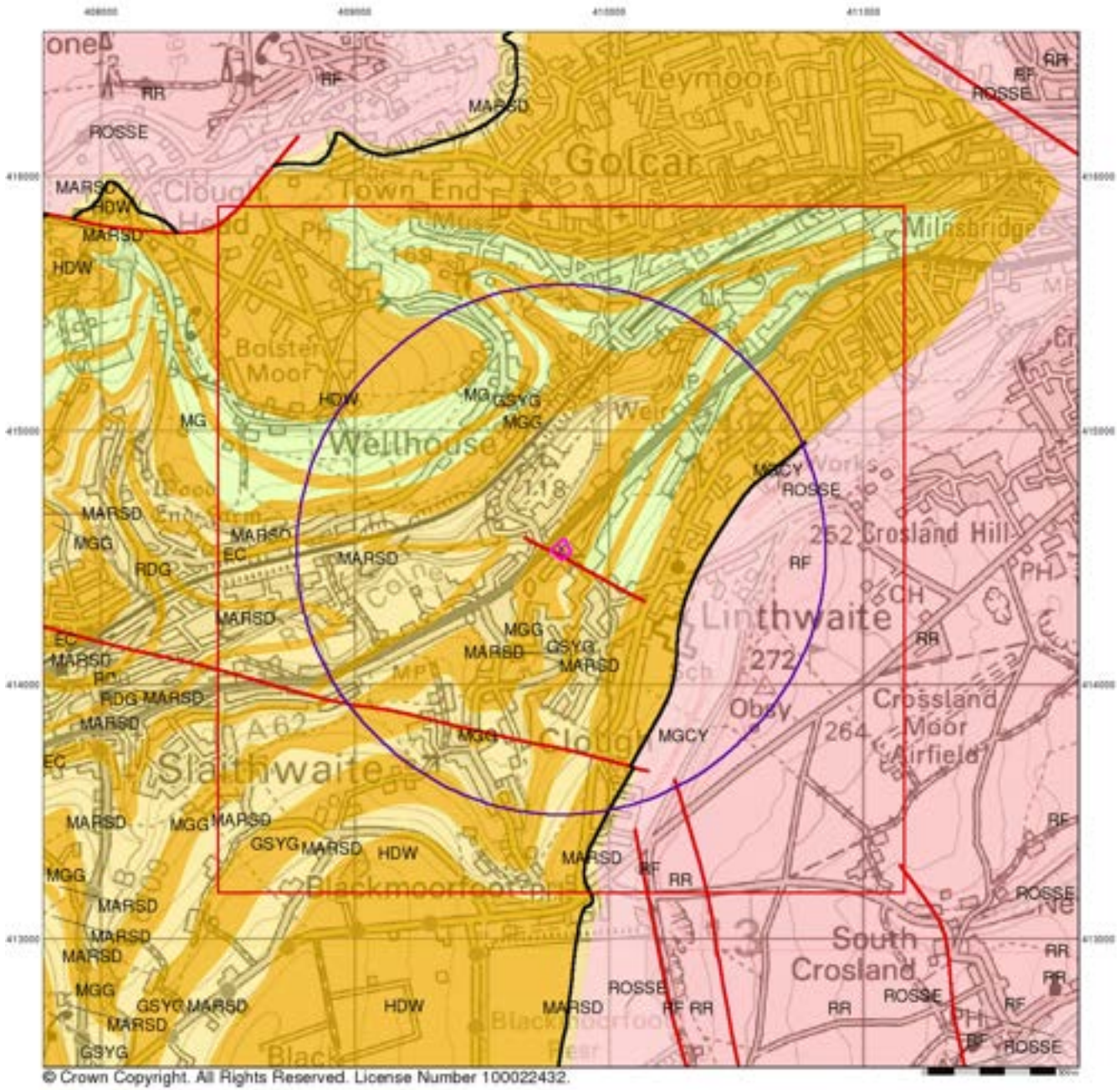
Order Details:

Order Number:	272688077_1_1
Customer Reference:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details:

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Bedrock and Faults

Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

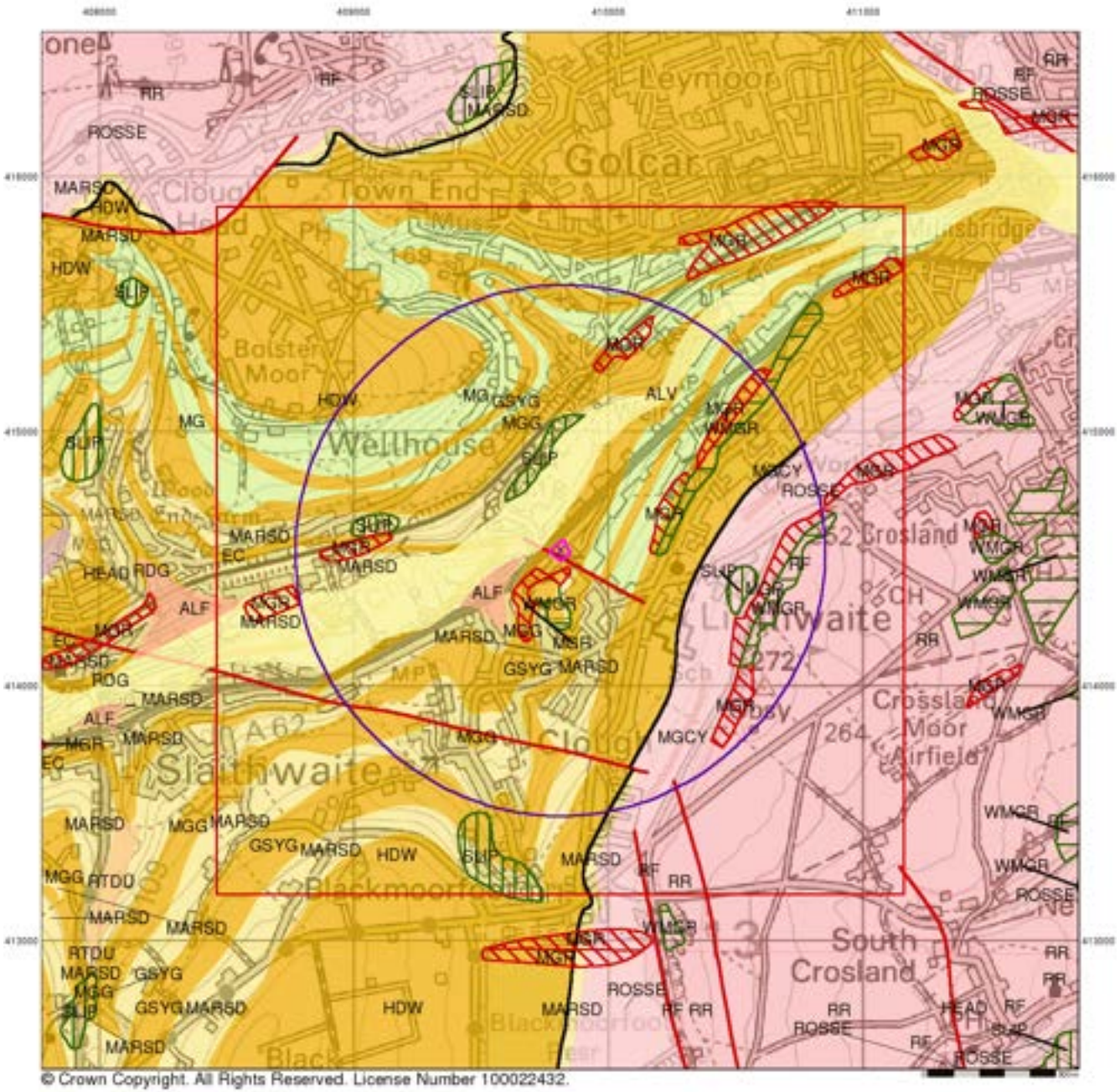
N

Order Details:

Order Number:	272688077_1_1
Customer Reference:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details:

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

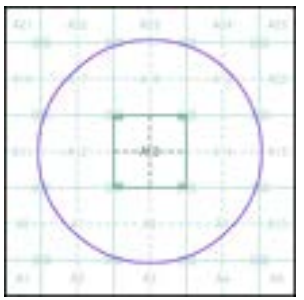
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Customer Reference:	HIG/01
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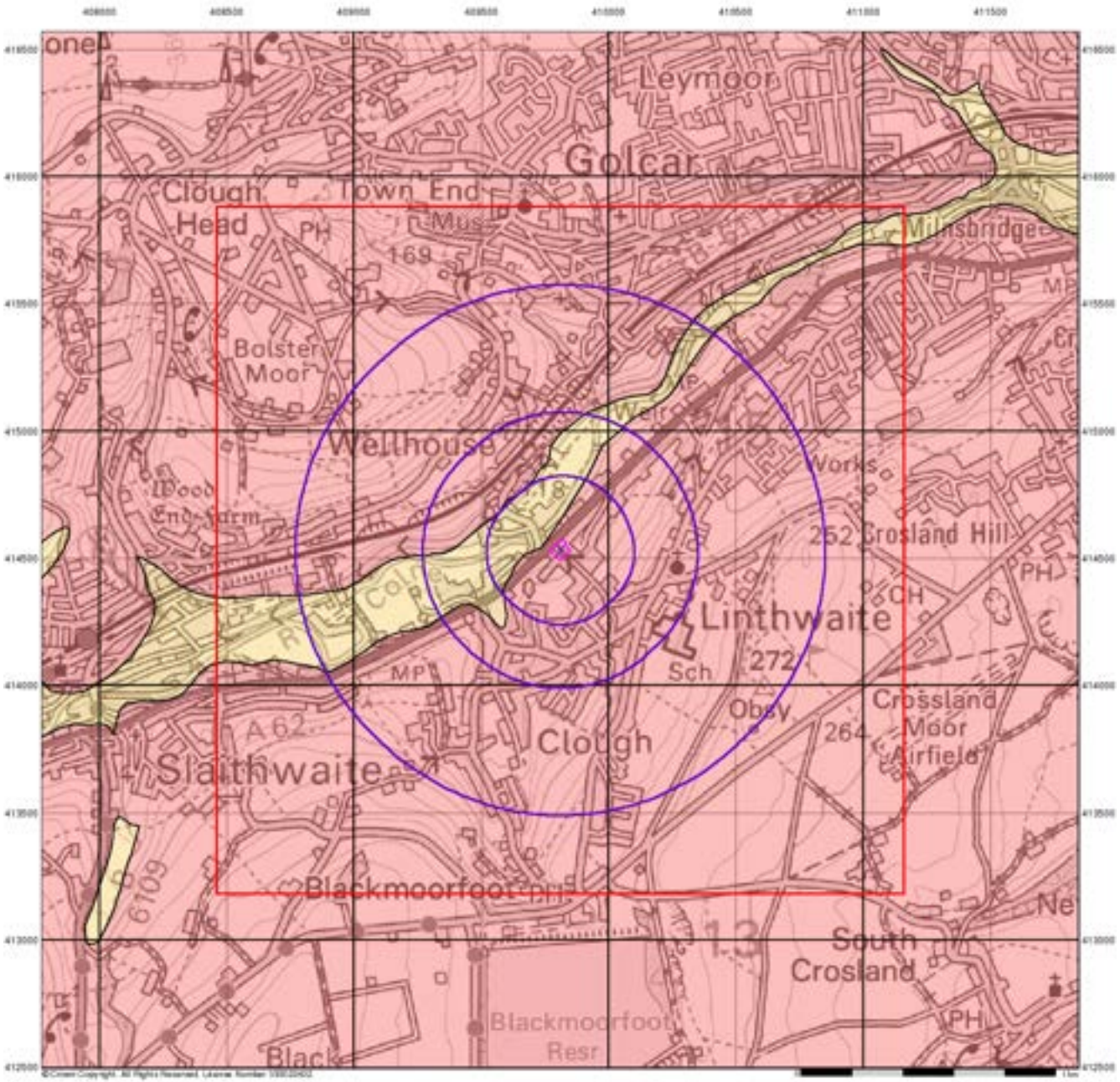
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details:

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

A P P E N D I X E

LANDMARK ENVIROCHECK REPORT



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Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

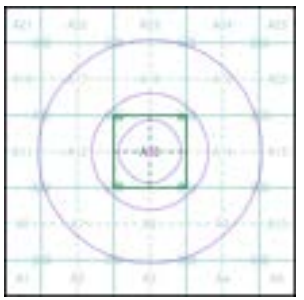
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



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Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
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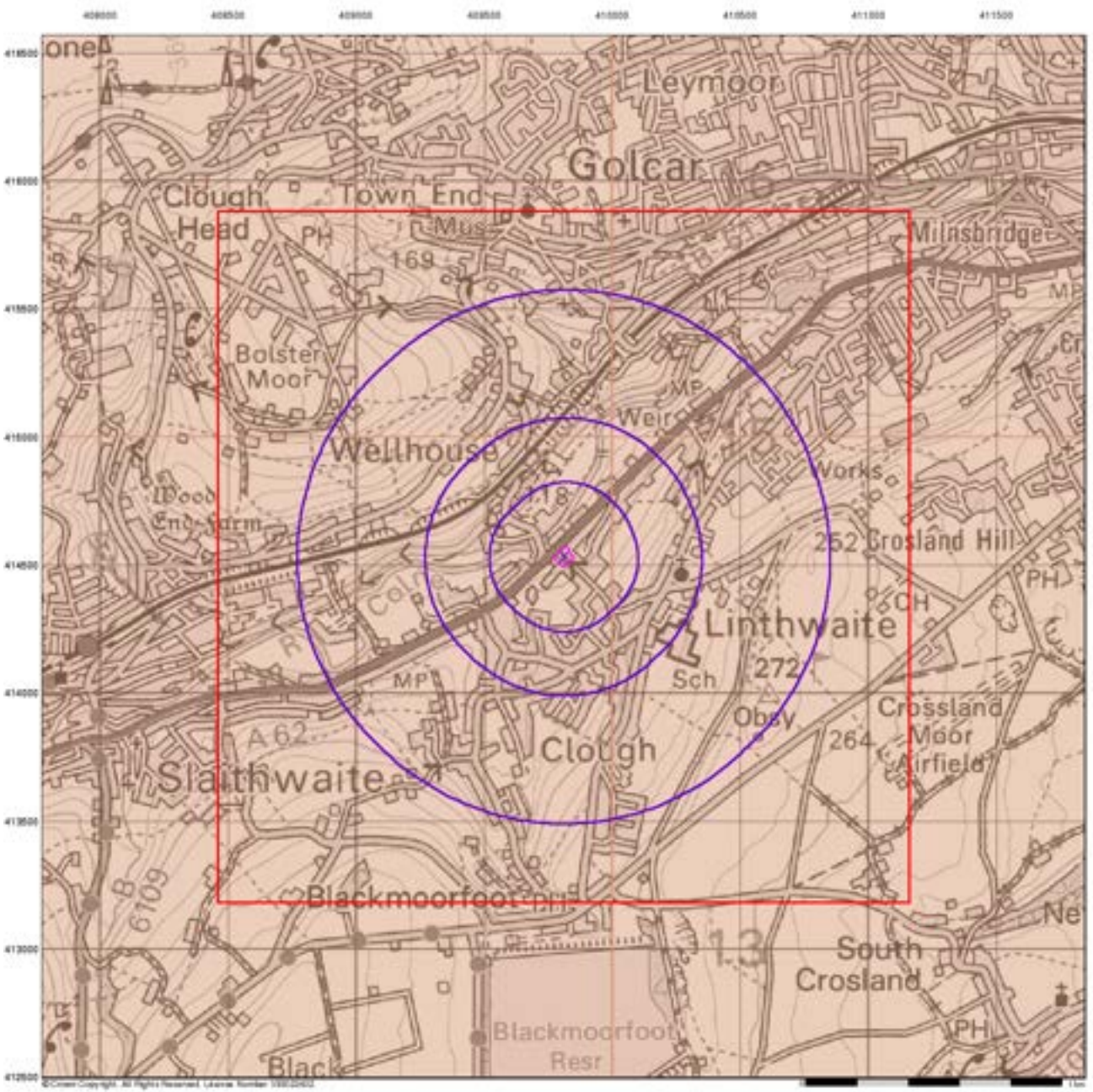
Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

Bedrock Aquifer Designation

General

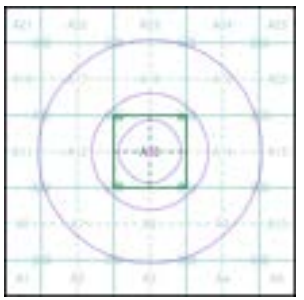
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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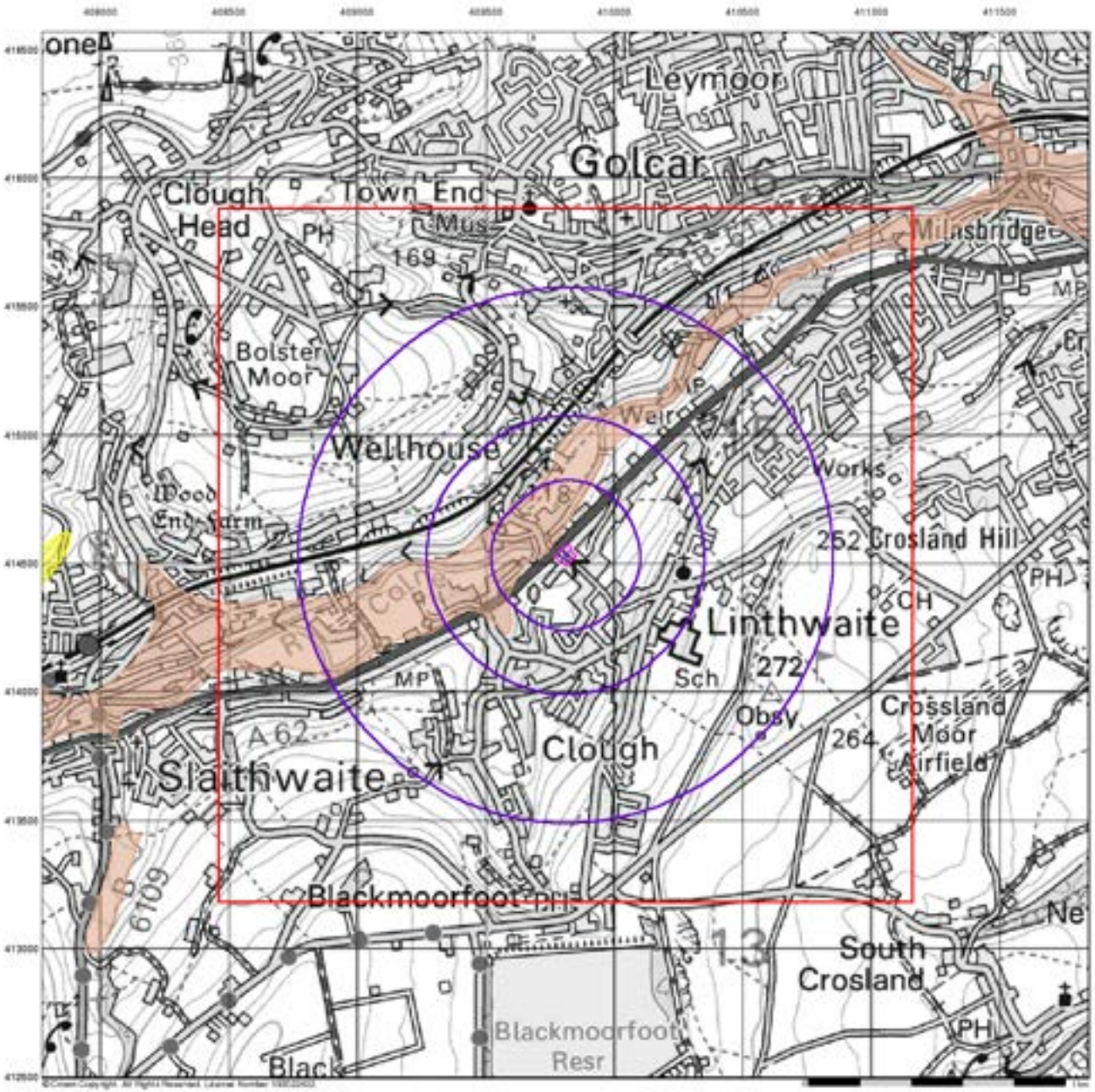
Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



ARP GEOTECHNICAL LTD

Superficial Aquifer Designation

General

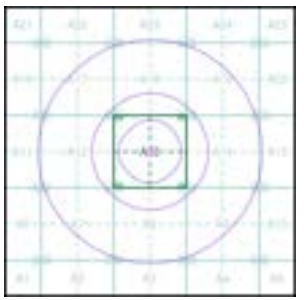
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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Site Details

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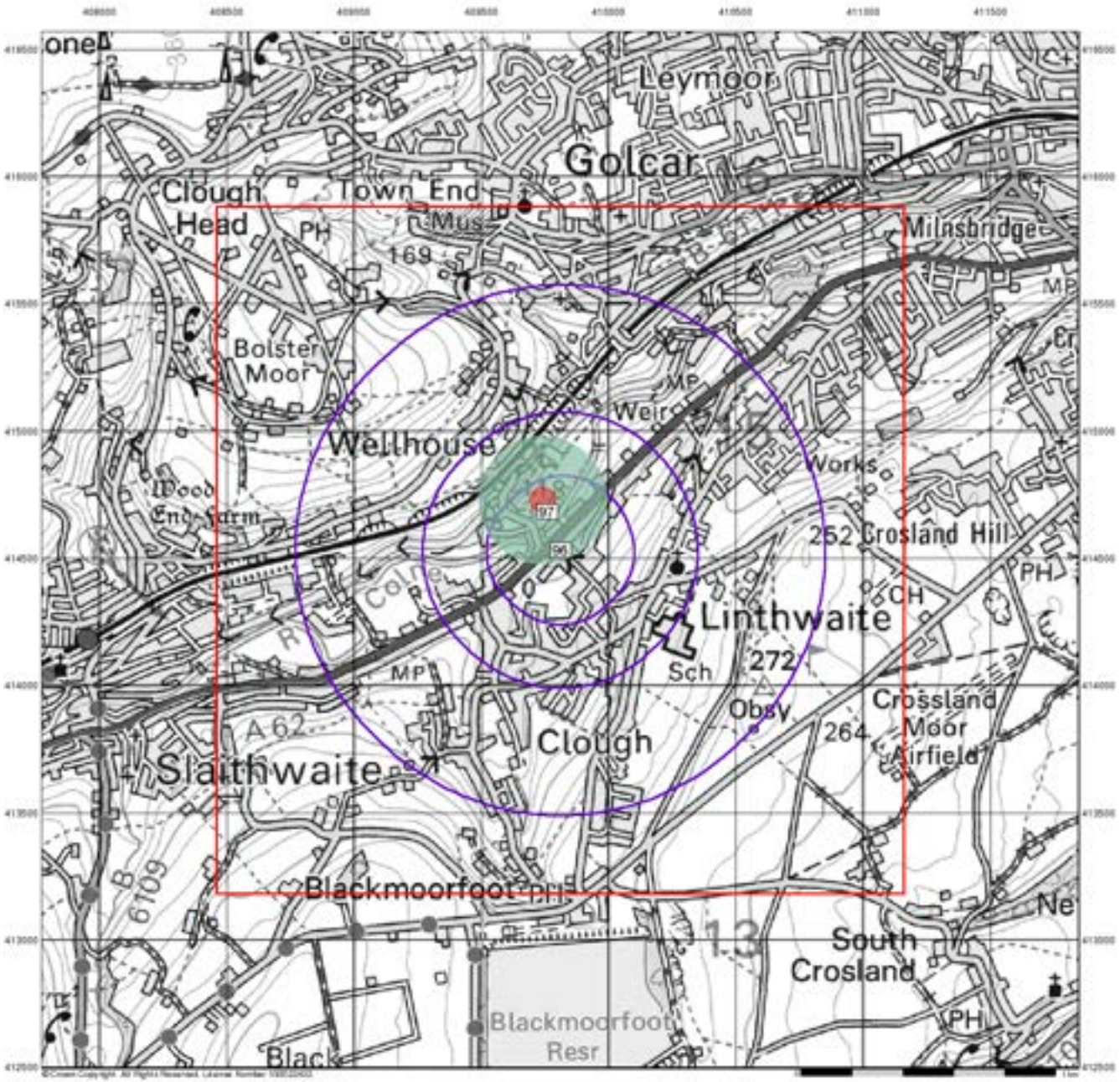

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Source Protection Zones

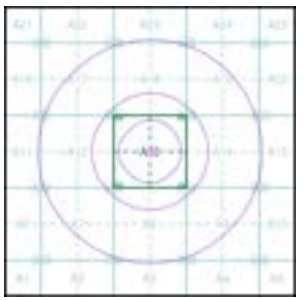
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



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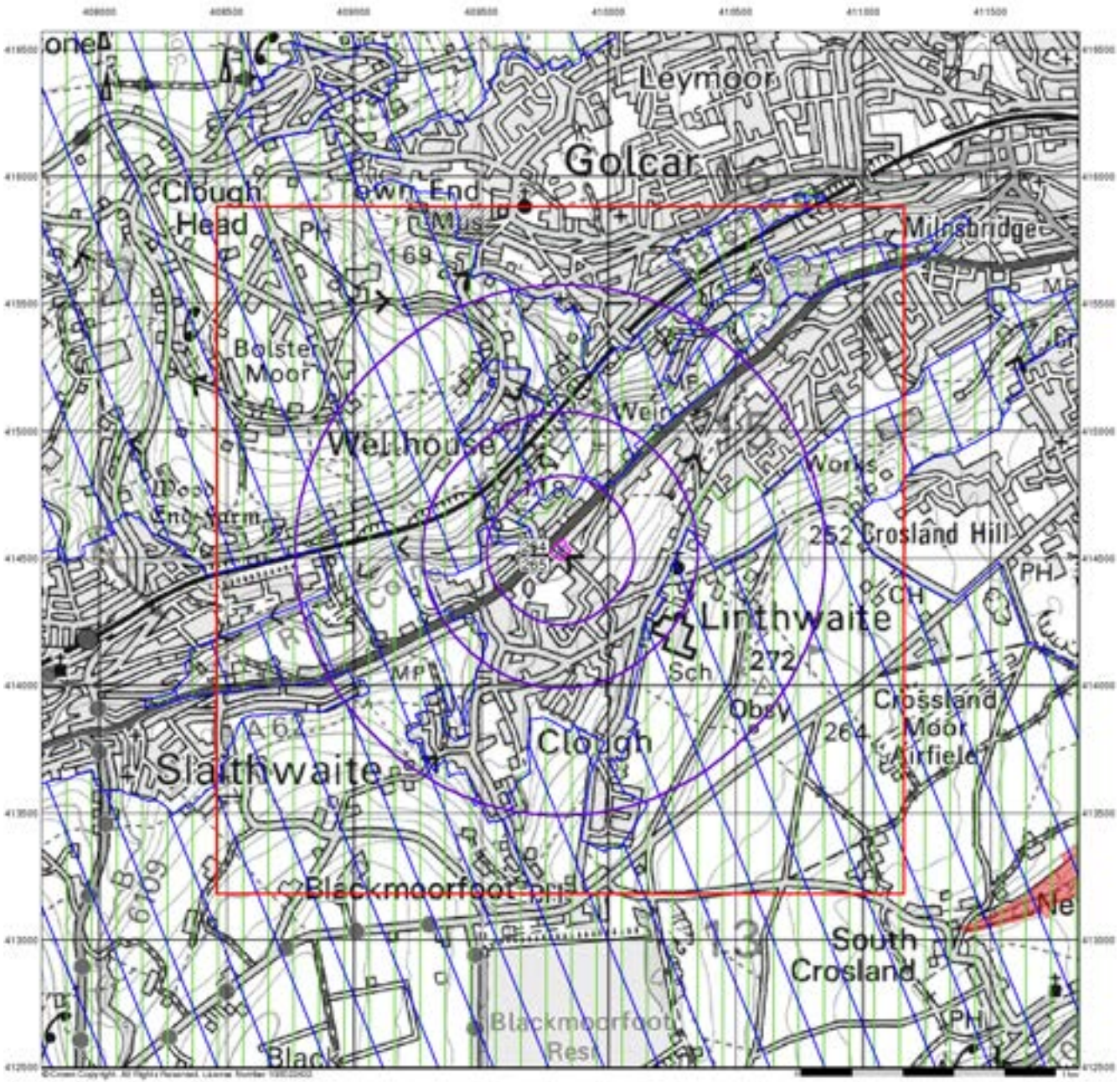
Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



ARP GEOTECHNICAL LTD

Sensitive Land Uses

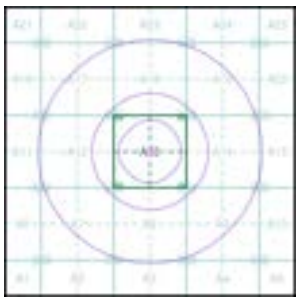
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



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Order Details

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Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
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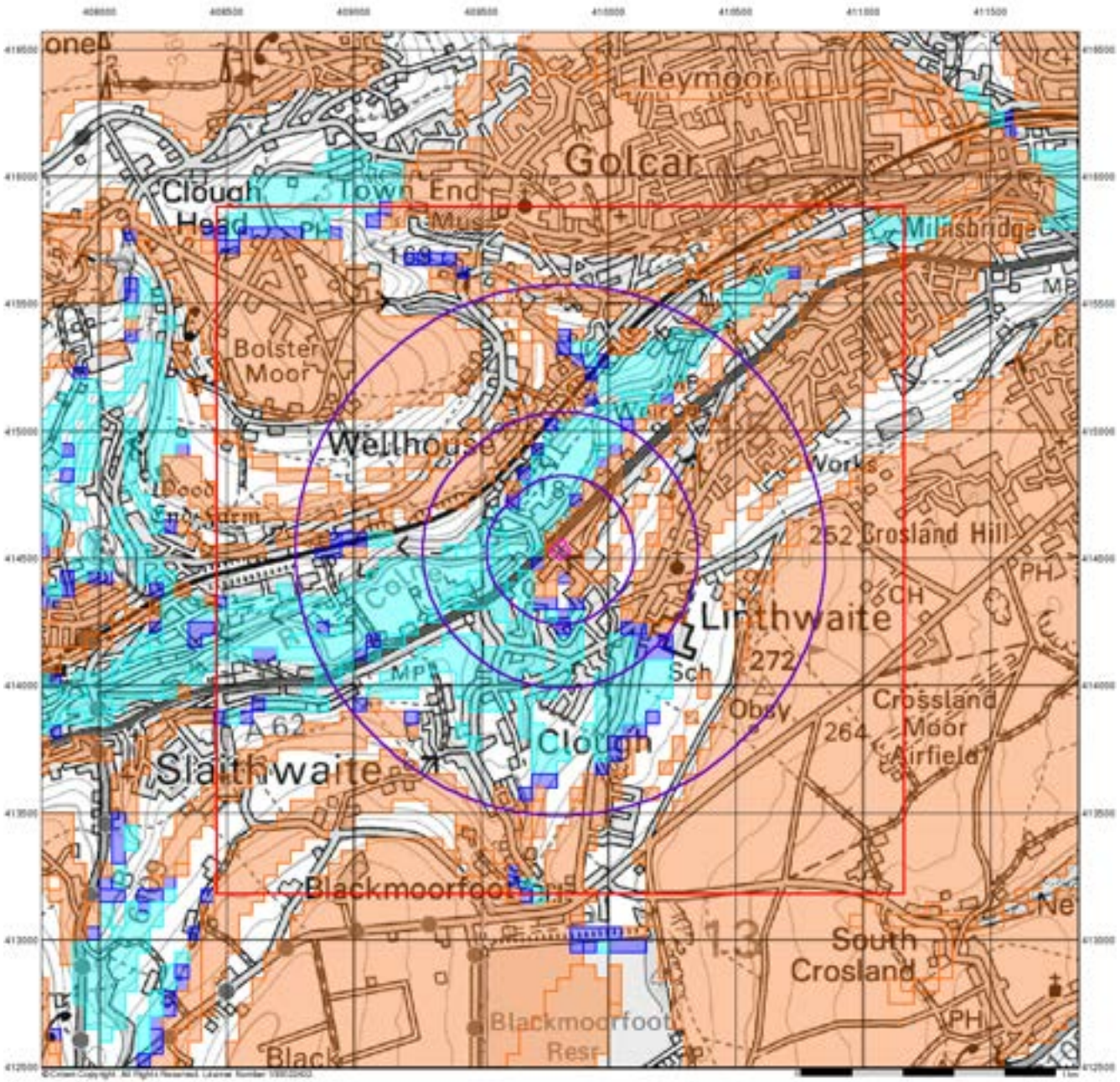
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX



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BGS Flood GFS Data

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A

Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
272688077_1_1

Customer Reference:
HIG/01

National Grid Reference:
409810, 414530

Slice:
A

Site Area (Ha):
0.35

Search Buffer (m):
1000

Site Details:

Former Hoyle Ing Dye Works
Linthwaite
Huddersfield
HD7 5RX

Client Details:

Mr J Race
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Northwest House
5-6 Northwest Business Park
Servia Hill
Leeds
LS6 2QH

ARP GEOTECHNICAL LTD

Contents

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.

Report Version v53.0

ARP GEOTECHNICAL LTD

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices	pg 3				2
Discharge Consents	pg 3		8	7	12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 10				1
Integrated Pollution Controls	pg 10				22
Integrated Pollution Prevention And Control	pg 14	3	1		11
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 19		1	1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 19		Yes		
Pollution Incidents to Controlled Waters	pg 19		21	17	39
Prosecutions Relating to Authorised Processes	pg 32				1
Registered Radioactive Substances					
River Quality	pg 32		4		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 34		3		
Substantiated Pollution Incident Register	pg 36			2	2
Water Abstractions	pg 37		10	4	14 (*14)
Water Industry Act Referrals	pg 47				5
Groundwater Vulnerability Map	pg 48	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 48	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 48	1	1		
Extreme Flooding from Rivers or Sea without Defences	pg 49		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 49		Yes	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 49		4	31	50

ARP GEOTECHNICAL LTD

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 59			1	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 60		4		1
Local Authority Landfill Coverage	pg 61	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 61			1	3
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 62		1		1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 64				2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 64				5
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 65	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 65		3	9	20
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	pg 70	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 70	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 70		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 71	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 71		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 72		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

ARP GEOTECHNICAL LTD

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 73	1	22	36	25
Fuel Station Entries	pg 80		1	1	
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 81		1		
Areas of Unadopted Green Belt	pg 81		1		
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					
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
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	0	1	409800 414550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	0	1	409811 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	20	1	409750 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	30	1	409750 414550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	34	1	409750 414500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	41	1	409811 414450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	69	1	409750 414450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	104	1	409700 414450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	129	1	409850 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	142	1	409800 414350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	146	1	409850 414350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	151	1	410000 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	170	1	409600 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	191	1	409811 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	192	1	409800 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	195	1	409850 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	208	1	409650 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	214	1	410050 414600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	220	1	409550 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	221	1	409550 414500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	239	1	409900 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	241	1	409811 414250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	245	1	409650 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	251	1	410000 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	256	1	409700 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	262	1	410100 414450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	281	1	409500 414450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	299	1	410100 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	301	1	410150 414550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	303	1	410050 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	304	1	409950 414850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	320	1	409450 414532
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	333	1	409750 414900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	339	1	410050 414250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	344	1	409450 414400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	347	1	410000 414200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	349	1	409550 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	350	1	409950 414900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	372	1	410000 414900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	372	1	410200 414650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	390	1	410200 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	396	1	410150 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	398	1	410050 414900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	409	1	410150 414250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (SW)	410	1	409400 414350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	410	1	410100 414200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	416	1	410000 414950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	426	1	409800 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	426	1	409811 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	431	1	409750 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	462	1	409950 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	462	1	410000 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (SW)	478	1	409350 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	479	1	410200 414200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	483	1	410050 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	499	1	410200 414900
1	**Contaminated Land Register Entries and Notices** Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, Hd7 5qe Notice Type: Contaminated Land Record Of Determination Reference: Not Supplied Dated: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12SW (W)	835	2	408992 414223
2	**Contaminated Land Register Entries and Notices** Location: Lees Mill Lane, Linthwaite, Huddersfield, Notice Type: Special Site Reference: 481 Dated: 19th February 2007 Positional Accuracy: Located by supplier to within 10m Boundary Quality: Not Applicable	A12SW (W)	929	3	408900 414200
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bargate Cso Manchester Road, Linthwaite, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7458 Permit Version: 2 Effective Date: 2nd May 2003 Issued Date: 2nd May 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NW (W)	46	3	409730 414550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bargate Cso Manchester Road, Linthwaite, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7458 Permit Version: 1 Effective Date: 26th October 1998 Issued Date: 26th October 1998 Revocation Date: 1st May 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A13NW (W)	51	3	409720 414540
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Domestic Property (Single) Location: 647 Manchester Road, Linthwaite, HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WADC647 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	194	3	409960 414710
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manchester Rd Combined Sewer Ovrflw Nr 647 Manchester Road, Linthwaite, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7457 Permit Version: 1 Effective Date: 26th October 1998 Issued Date: 26th October 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A13NE (N)	207	3	409890 414770
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barber Row No 2 Cso Rear Of Barber Row Manchester Rd, Linthwaite, Huddersfield, West Yorkshire, Hd7 5ql Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7520 Permit Version: 2 Effective Date: 5th July 1999 Issued Date: 5th July 1999 Revocation Date: 19th November 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	231	3	409540 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: YORKSHIRE WATER SERVICES LTD Property Type: Sewerage Network - Sewers Location: BARBER ROW, MANCHESTER ROAD, NEAR HUDDERSFIELD, WEST YORKSHIRE Authority: Environment Agency, North East Region Catchment Area: Calder Reference: WRA7520 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: RIVER COLNE **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	231	3	409540 414500
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barber Row No 2 Cso Rear Of Barber Row Manchester Rd, Linthwaite, Huddersfield, West Yorkshire, Hd7 5ql Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7520 Permit Version: 1 Effective Date: 5th July 1999 Issued Date: 5th July 1999 Revocation Date: 19th November 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	231	3	409540 414500
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barber Row No 2 Cso Rear Of Barber Row Manchester Rd, Linthwaite, Huddersfield, West Yorkshire, Hd7 5ql Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7520 Permit Version: 3 Effective Date: 20th November 2017 Issued Date: 20th November 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	232	3	409540 414495
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Not Given Location: Barber Row, Linthwaite, HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WADC696 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Colne **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13SW (W)	278	3	409500 414460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: Yorkshire Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Titanic Mills Cso Rear Of Gordon Terrace, Linthwaite, Huddersfield, West Yorkshire, Hd7 5qt Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprtp3829ga Permit Version: 1 Effective Date: 22nd March 2016 Issued Date: 22nd March 2016 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	340	3	409947 414890
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Causeway Side 13 C.S.O Opp 1 Causeway Side, Linthwaite, Huddersfield, West Yorkshire, Hd7 5nl Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7460 Permit Version: 2 Effective Date: 31st March 2018 Issued Date: 21st February 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Hoyle House Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	425	3	409587 414130
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Causeway Side 13 C.S.O Opp 1 Causeway Side, Linthwaite, Huddersfield, West Yorkshire, Hd7 5nl Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7460 Permit Version: 1 Effective Date: 26th October 1998 Issued Date: 26th October 1998 Revocation Date: 30th March 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Hoyle House Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	438	3	409580 414120
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Causeway Side Top Cso Causeway Side (Top), Linthwaite, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7459 Permit Version: 3 Effective Date: 24th March 2010 Issued Date: 24th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Culv'D Trib Of Hoyle House Brk **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	487	3	409740 414010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Causeway Side Top Cso Causeway Side (Top), Linthwaite, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7459 Permit Version: 2 Effective Date: 31st March 2008 Issued Date: 16th March 2005 Revocation Date: 23rd March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Culv'D Trib Of Hoyle House Brk **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	487	3	409740 414010
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Causeway Side Top Cso Causeway Side (Top), Linthwaite, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7459 Permit Version: 1 Effective Date: 26th October 1998 Issued Date: 26th October 1998 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Culv'D Trib Of Hoyle House Brk **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	487	3	409740 414010
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Not Given Location: Stones Lane, Linthwaite, HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WADC1395 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of Colne **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	575	3	409530 413990
11	**Discharge Consents** Operator: YORKSHIRE WATER SERVICES LTD Property Type: Sewerage Network - Sewers Location: STONES LANE/WAINGATE, LINTHWAITE, NEAR HUDDERSFIELD, WEST YORKSHIRE Authority: Environment Agency, North East Region Catchment Area: Calder Reference: WRA7518 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: HOYLE HOUSE BROOK **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	584	3	409570 413960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Stones Lane/Waingate Cso, Linthwaite, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7518 Permit Version: 1 Effective Date: 5th July 1999 Issued Date: 5th July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Hoyle House Brook (Culverted) **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	584	3	409570 413960
12	**Discharge Consents** Operator: YORKSHIRE WATER SERVICES LTD Property Type: Sewerage Network - Sewers Location: GOLCAR PICNIC AREA, OFF FERNLEA GROVE, GOLCAR, NR HUDDERSFIELD, WEST YORKSHIRE Authority: Environment Agency, North East Region Catchment Area: Calder Reference: WRA7519 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: RIVER COLNE **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	662	3	410180 415130
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fernlea Grove Cso Fernlea Grove Picnic Area, Golcar, Huddersfield, West Yorkshire, Hd7 4hf Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7519 Permit Version: 1 Effective Date: 5th July 1999 Issued Date: 5th July 1999 Revocation Date: 19th November 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	662	3	410180 415130
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fernlea Grove Cso Fernlea Grove Picnic Area, Golcar, Huddersfield, West Yorkshire, Hd7 4hf Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7519 Permit Version: 2 Effective Date: 20th November 2017 Issued Date: 20th November 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	664	3	410183 415131

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fernlea Grove Cso Fernlea Grove Picnic Area, Golcar, Huddersfield, West Yorkshire, Hd7 4hf Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7519 Permit Version: 2 Effective Date: 20th November 2017 Issued Date: 20th November 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	664	3	410183 415131
13	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works Location: Old Sewage Works, Golcar, HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WADC1208 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Colne **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A18NE (N)	663	3	409970 415220
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Brook Lane 2 Sso, Golcar, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Ywucd2/46 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NE (N)	743	3	409824 415317
15	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Brook Lane 1 Sso, Golcar, Nr Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Ywucd2/45 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Colne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	861	3	409730 415431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: Bank Bottom Farm Property Type: Undefined Or Other Location: Chicken Slaughter House Bank Bottom Farm, Slaithwaite, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 3739 Permit Version: 1 Effective Date: 13th September 1983 Issued Date: 13th September 1983 Revocation Date: 21st October 1994 Discharge Type: Trade Effluent Discharge Environment: Canal Receiving Water: Huddersfield Narrow Canal **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	992	3	408800 414320
17	**Discharge Consents** Operator: Grosvenor Chemicals Ltd Property Type: Undefined Or Other Location: Grosvenor Works, Linthwaite, Huddersfield Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7185 Permit Version: 1 Effective Date: 19th December 1995 Issued Date: 19th December 1995 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Freshwater Stream/River Receiving Water: River Calder **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	995	3	408820 414230
18	**Prosecutions Relating to Controlled Waters** Location: River Colne, River Colne, HUDDERSFIELD, West Yorkshire, HD Prosecution Text: Charged For Causing Poisonous, Noxious Or Polluting Matter Namely Raw Sewage To Enter Controlled Waters On August 27th 1999. Prosecution Act: Wra91 Hearing Date: 12th January 2001 Verdict: Guilty Fine: 2000 Cost: 2214 Positional Accuracy: Manually positioned to the road within the address or location	A7NW (W)	995	3	408854 414139
19	**Enforcement and Prohibition Notices** Location: Lees Mill Lane, Linthwaite, Slaithwaite, Huddersfield, Hd7 5qe Permit Reference: Not Given Enforcement Date: Not Supplied Details: Company Instructed To Increase The Extent & Frequency Of Checks On Its Abatement System And To Retrain Its Staff Positional Accuracy: Manually positioned to the address or location	A12SW (W)	933	3	408884 414235
20	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Lees Mill Lane, Linthwaite, Huddersfield, Hd7 5qe Authority: Environment Agency, North East Region Permit Reference: Bv5793 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Application has met the requirements for authorisation (but not yet authorised)** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	891	3	408895 414359
21	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, HUDDERSFIELD, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: Bj5554 Dated: 25th October 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	940	3	408877 414232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Linthwaite, Huddersfield, Hd7 5qe Authority: Environment Agency, North East Region Permit Reference: Bx0652 Dated: 23rd December 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	944	3	408875 414228
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AY3296 Dated: 31st October 1997 Process Type: IPC new application Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	960	3	408860 414221
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BD9106 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	963	3	408844 414262
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BH9728 Dated: 12th July 2000 Process Type: IPC major (substantial) variation Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	987	3	408827 414234
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AK8058 Dated: 25th January 1994 Process Type: IPC new application Description: 4.7 A Pesticide production within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A12SW (W)	989	3	408822 414245
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AO3775 Dated: 8th September 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.7 A Pesticide production within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A12SW (W)	991	3	408822 414240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Manchester Road, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BH6788 Dated: 26th January 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A12SW (W)	992	3	408822 414234
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: Bq3690 Dated: 16th May 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BI0197 Dated: 5th September 2001 Process Type: IPC major (substantial) variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BC0987 Dated: 30th March 1999 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BD3442 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (C) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AU0040 Dated: 11th January 1996 Process Type: IPC new application Description: 4.5 A (C) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AK8074 Dated: 25th January 1994 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: Bv5785 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Application has met the requirements for authorisation (but not yet authorised)** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: Bz5604 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Application has met the requirements for authorisation (but not yet authorised)** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	3	408817 414245
22	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AK8066 Dated: 25th January 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A12SW (W)	995	3	408817 414240
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Manchester Road, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BH3932 Dated: 19th November 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12SW (W)	997	3	408817 414234
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BC7086 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A12SW (W)	997	3	408812 414249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Integrated Pollution Controls** Name: Whyte Chemicals Ltd Location: Lees Mill Lane, Lintwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BC7078 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation revoked** Positional Accuracy: Unknown	A12SW (W)	999	3	408812 414244
22	**Integrated Pollution Controls** Name: Grosvenor Chemicals Ltd Location: Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BC9968 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.7 A Pesticide production within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Unknown	A12SW (W)	1000	3	408812 414239
23	**Integrated Pollution Prevention And Control** Name: James Dyson Ltd Location: Hoyle Ing Dyeworks, Linthwaite, Hoyle Ing Dyeworks, Linthwaite, Huddersfield, HD7 5RU Authority: Environment Agency, North East Region Permit Reference: Bu9327im Original Permit Ref: Br5108in Effective Date: 2nd July 2003 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NE (N)	0	3	409812 414535
23	**Integrated Pollution Prevention And Control** Name: James Dyson Ltd Location: HOYLE ING DYEWORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, West Yorkshire, HD7 5RU Authority: Environment Agency, North East Region Permit Reference: Br5108 Original Permit Ref: Br5108 Effective Date: 2nd January 2003 **Status: Superseded By Variation** Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Not Supplied	A13NE (N)	0	3	409812 414535
23	**Integrated Pollution Prevention And Control** Name: James Dyson Ltd Location: Hoyle Ing Dyeworks, Linthwaite, Hoyle Ing Dyeworks, Linthwaite, Huddersfield, HD7 5RU Authority: Environment Agency, North East Region Permit Reference: Br5108in Original Permit Ref: Br5108in Effective Date: 2nd January 2003 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NE (N)	0	3	409812 414535

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Integrated Pollution Prevention And Control** Name: James Dyson Ltd Location: Hoyle Ing Dyeworks, Linthwaite, Hoyle Ing Dyeworks, Linthwaite,,, HUDDERSFIELD, HD7 5RU Authority: Environment Agency, North East Region Permit Reference: SP3134GA Original Permit Ref: Br5108in Effective Date: 26th April 2010 **Status:** **Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 100m Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NW (NW)	87	3	409700 414580
25	**Integrated Pollution Prevention And Control** Name: Nofoss Fuels Limited Location: Biodiesel Plant, Linthwaite, Unit 4 Quarry Works, Spurn Point,Manchester Road,Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5RF Authority: Environment Agency, North East Region Permit Reference: GP3831LR Original Permit Ref: Gp3831lr Effective Date: 23rd April 2007 **Status:** **Revoked** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A19SW (NE)	585	3	410229 414993
26	**Integrated Pollution Prevention And Control** Name: George Cock Limited Location: Longfield Dyeworks, Manchester Road, Linthwaite, HUDDERSFIELD, HD7 5QF Authority: Environment Agency, North East Region Permit Reference: ZP3834LD Original Permit Ref: Br5060is Effective Date: 6th June 2006 **Status:** **Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A7NE (SW)	680	3	409206 414147
26	**Integrated Pollution Prevention And Control** Name: George Cock Limited Location: Longfield Dyeworks, Linthwaite, Longfield Dyeworks, Linthwaite, Huddersfield, HD7 5QF Authority: Environment Agency, North East Region Permit Reference: Bu9203iv Original Permit Ref: Br5060is Effective Date: 1st July 2003 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A7NE (SW)	680	3	409206 414147

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Integrated Pollution Prevention And Control** Name: George Cock Ltd Location: LONGFIELD DYEWORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, West Yorkshire, HD7 5QF Authority: Environment Agency, North East Region Permit Reference: Br5060 Original Permit Ref: Br5060 Effective Date: 23rd December 2002 **Status: Superseded By Variation** Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Not Supplied	A7NE (SW)	680	3	409206 414147
26	**Integrated Pollution Prevention And Control** Name: George Cock Limited Location: Longfield Dyeworks, Linthwaite, Longfield Dyeworks, Linthwaite, Huddersfield, HD7 5QF Authority: Environment Agency, North East Region Permit Reference: Br5060is Original Permit Ref: Br5060is Effective Date: 23rd December 2002 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A7NE (SW)	680	3	409206 414147
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Limited Location: Linthwaite Chemical Industry Epr/Rp3433ls, Grosvenor Works, Lees Mill Lane,,Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: XP3931VP Original Permit Ref: Rp3433ls Effective Date: 8th July 2014 **Status: Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: N Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N	A12SW (W)	994	3	408817 414245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Ltd Location: Grosvenor Chemicals Ltd, Grosvenor Works, Lees Mill Lane,,Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AP3939NT Original Permit Ref: Rp3433ls Effective Date: 5th June 2013 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N	A12SW (W)	994	3	408817 414245
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Ltd Location: Linthwaite Chemical Industry, Grosvenor Works, Manchester Road,Linthwaite,, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: DP3835FA Original Permit Ref: Rp3433ls Effective Date: 23rd February 2012 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: N Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N	A12SW (W)	994	3	408817 414245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Ltd Location: Linthwaite Chemical Industry, Grosvenor Works, Manchester Road,Linthwaite,, Huddersfield, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: PP3931TN Original Permit Ref: Rp3433ls Effective Date: 26th August 2010 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: N Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N	A12SW (W)	994	3	408817 414245
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BP3533XP Original Permit Ref: Rp3433ls Effective Date: 18th January 2008 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: N Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: N	A12SW (W)	994	3	408817 414245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Integrated Pollution Prevention And Control** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: RP3433LS Original Permit Ref: Rp3433ls Effective Date: 16th July 2007 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y Activity Code: 4.4 A(1) (A) Activity Description: Plant Health & Biocides; Producing Plant Health Products/Biocides Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) (A) Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent Primary Activity: N Activity Code: 4.4 A(1) (B) Activity Description: Plant Health & Biocides; Formulating Products If Release To Water Of Prescribed Substances Primary Activity: N	A12SW (W)	994	3	408817 414245
28	**Local Authority Pollution Prevention and Controls** Name: D Thomas (c.potter & Co) Location: 709 Manchester Road, Milnsbridge, HUDDERSFIELD, West Yorkshire, HD7 5QS Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: 14th September 1992 Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	5	4	409831 414571
29	**Local Authority Pollution Prevention and Controls** Name: Thornton & Ross Ltd Location: Manchester Road, Linthwaite, Huddersfield, Hd7 5qh Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC W 179 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/43 Formulation and finishing of pharmaceutical products **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A12SE (W)	470	4	409321 414389
	Nearest Surface Water Feature	A13NW (NW)	36	-	409755 414564
30	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Not Supplied Incident Date: 29th April 1992 Incident Reference: 132477 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	29	3	409800 414595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Watercourse :River Colne; From Longwood Beck To River Holme Incident Date: Not Supplied Incident Reference: SL980349 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	67	3	409750 414600
31	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: River Colne, Downstream Of Slaithwaite Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: No Fish Killed Incident Date: 24th February 1996 Incident Reference: SL960165 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	94	3	409705 414595
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: River Colne, Downstream Of Slaithwaite Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Pollution Found; No Fish Killed Incident Date: 24th February 1996 Incident Reference: SL960165 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	97	3	409700 414595
31	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 22nd May 1993 Incident Reference: 144756 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	101	3	409700 414600
32	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: No Fish Killed Incident Date: 7th February 1996 Incident Reference: SL960123 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	122	3	409800 414695
32	**Pollution Incidents to Controlled Waters** Property Type: Construction/Demolition Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 2nd May 1991 Incident Reference: 122217 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	122	3	409805 414695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: No Pollution Found; No Fish Killed Incident Date: 7th February 1996 Incident Reference: SL960123 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	127	3	409800 414700
33	**Pollution Incidents to Controlled Waters** Property Type: Textile industry Location: Blackrock Mills, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: No Fish Killed Incident Date: 8th December 1995 Incident Reference: SL951099 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	140	3	409700 414400
34	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Mouth/Source Holme Af Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 15th June 1989 Incident Reference: 100255 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	144	3	409900 414695
34	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Linthwait, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL961303 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A13NE (NE)	149	3	409900 414700
35	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th July 1992 Incident Reference: 135164 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	167	3	409605 414500
35	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 5th July 1991 Incident Reference: 124066 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	168	3	409605 414495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 28th January 1991 Incident Reference: 119128 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	172	3	409600 414500
35	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 5th July 1991 Incident Reference: 124064 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	173	3	409600 414495
36	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: BARGATE Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 12th May 1989 Incident Reference: 9080 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	174	3	409700 414700
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Manchester Road Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 3rd May 1989 Incident Reference: 9005 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	192	3	409800 414300
38	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Hoyle House Beck, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Oils - Gas Oil Note: No Fish Killed Incident Date: 25th February 1997 Incident Reference: SL970336 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	213	3	409600 414400
39	**Pollution Incidents to Controlled Waters** Property Type: Pipelines (Long Distance Only) Location: Huddersfield Canal, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: No Fish Killed Incident Date: 1st January 1994 Incident Reference: SL960120 Catchment Area: Huddesfield Narrow Canal Receiving Water: Canal Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	235	3	409605 414695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Pollution Incidents to Controlled Waters** Property Type: Pipelines (Long Distance Only) Location: Huddersfield Canal, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: Pollution Found; No Fish Killed Incident Date: 1st January 1994 Incident Reference: SL960120 Catchment Area: Huddesfield Narrow Canal Receiving Water: Canal Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	238	3	409600 414695
39	**Pollution Incidents to Controlled Waters** Property Type: Construction/Demolition Location: Huddersfield Narrow Canal Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 12th April 1991 Incident Reference: 121369 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	242	3	409600 414700
40	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information; Colne Incident Date: 26th August 1995 Incident Reference: SL950847 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	266	3	409505 414500
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Distribution System Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Inorganic Note: Not Supplied Incident Date: 6th July 1992 Incident Reference: 134722 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	266	3	409505 414505
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: COLNE Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: Fish Killed: No Information; Colne Incident Date: 9th March 1995 Incident Reference: SL950370 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	267	3	409505 414495
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 18th August 1994 Incident Reference: 152981 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	271	3	409500 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Distribution System Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Inorganic Note: Not Supplied Incident Date: 6th July 1992 Incident Reference: 134724 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	271	3	409500 414505
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Barber Row, Linthwaite, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: 11-200 Fish Killed Incident Date: 10th September 1997 Incident Reference: SL970905 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	272	3	409500 414495
40	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 28th July 1992 Incident Reference: 135176 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	276	3	409495 414500
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Distribution System Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Inorganic Note: Not Supplied Incident Date: 5th July 1992 Incident Reference: 134652 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	276	3	409495 414505
41	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 1st April 1993 Incident Reference: 142009 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	299	3	409500 414400
41	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 1st April 1993 Incident Reference: 142010 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	301	3	409500 414395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 13th March 1991 Incident Reference: 120565 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	353	3	409500 414300
42	**Pollution Incidents to Controlled Waters** Property Type: Highway/Car Park Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Urban Runoff Note: Not Supplied Incident Date: 2nd September 1992 Incident Reference: 136261 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	356	3	409500 414295
43	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Causeway Side Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 11th April 1989 Incident Reference: 8894 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	422	3	409500 414200
43	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Hoyle House Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 5th May 1989 Incident Reference: 9032 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	426	3	409500 414195
44	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Huddersfield Narrow Canal, Down Stream Of Titanic Mill Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 8th January 1997 Incident Reference: SL970011 Catchment Area: Calder Receiving Water: Canal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	427	3	409801 415001
45	**Pollution Incidents to Controlled Waters** Property Type: Fire Water Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Low Dissolved Oxygen Note: Watercourse :River Colne; From Longwood Beck To River Holme Incident Date: Not Supplied Incident Reference: SL980128 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	471	3	409300 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Foam Note: Not Supplied Incident Date: 28th December 1994 Incident Reference: 153754 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	475	3	409300 414600
47	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Linthwaite, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Pollution Found; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL961271 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A18SE (N)	557	3	410001 415101
48	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 23rd July 1990 Incident Reference: 113115 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	570	3	409200 414500
48	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 25th July 1990 Incident Reference: 113006 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	571	3	409200 414495
49	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: CHAPEL HILL Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 24th January 1989 Incident Reference: 8496 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	582	3	409500 414000
50	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Brdge Newsome Road/Conf Col/Ho Colne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 10th April 1989 Incident Reference: 8838 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	584	3	409200 414400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 22nd January 1990 Incident Reference: 107035 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	595	3	410100 415100
52	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 29th March 1994 Incident Reference: 150417 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	628	3	409600 413900
52	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Upper Clough Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information; Colne Incident Date: 28th February 1995 Incident Reference: SL950298 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	631	3	409605 413895
52	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Hoyle House Beck, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 30th April 1997 Incident Reference: SL970447 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	633	3	409600 413895
53	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 16th September 1991 Incident Reference: 126506 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	631	3	409900 415200
54	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 15th May 1990 Incident Reference: 110443 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	639	3	409400 414000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Huddersfield Narrow Canal Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: Fish Killed: No Information Incident Date: 22nd February 1995 Incident Reference: SL950287 Catchment Area: Huddesfield Narrow Canal Receiving Water: Canal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	647	3	410001 415196
55	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Huddersfield Narrow Canal Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 22nd April 1991 Incident Reference: 121742 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	652	3	410001 415201
56	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 11th July 1994 Incident Reference: 152492 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	668	3	409500 413900
57	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Not Supplied Incident Date: 27th June 1994 Incident Reference: 152332 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	723	3	409600 413800
58	**Pollution Incidents to Controlled Waters** Property Type: Textile industry Location: Hoyle House Beck, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Fish Killed: No Information Incident Date: 18th December 1995 Incident Reference: SL951266 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	758	3	409500 413800
59	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Pollution Found; No Fish Killed Incident Date: 22nd January 1996 Incident Reference: SL960081 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	770	3	409000 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: No Fish Killed Incident Date: 22nd January 1996 Incident Reference: SL960081 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	770	3	409000 414495
60	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: COLNE Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information; Colne? Incident Date: 25th April 1995 Incident Reference: SL950511 Catchment Area: Calder Tributaries Receiving Water: Canal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	780	3	409000 414400
60	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Surface Water Note: Not Supplied Incident Date: 26th February 1990 Incident Reference: 108088 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	781	3	409000 414395
61	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Surface Water Outfall Location: River Colne, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Watercourse :River Colne; From Longwood Beck To River Holme Incident Date: 13th March 1998 Incident Reference: SL980151 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	803	3	409000 414300
61	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th June 1990 Incident Reference: 112191 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	804	3	409000 414295
62	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Chemicals - Anti-Freeze Note: Not Supplied Incident Date: 11th March 1993 Incident Reference: 141313 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	855	3	409600 415400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd July 1992 Incident Reference: 134682 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	874	3	408905 414400
63	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Industrial Solid Waste Note: Not Supplied Incident Date: 26th February 1990 Incident Reference: 108056 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	875	3	408905 414395
63	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Industrial Solid Waste Note: Not Supplied Incident Date: 24th February 1990 Incident Reference: 108055 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	880	3	408900 414395
64	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th March 1990 Incident Reference: 108830 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	893	3	408905 414305
64	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 21st July 1990 Incident Reference: 112995 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	894	3	408905 414300
64	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 21st July 1990 Incident Reference: 113017 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	896	3	408905 414295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Miscellaneous - No Visible Pollution/Nothing Found Note: Not Supplied Incident Date: 28th April 1993 Incident Reference: 143880 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	899	3	408900 414300
64	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 20th July 1990 Incident Reference: 113019 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	900	3	408900 414295
65	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Distribution System Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 31st May 1991 Incident Reference: 122920 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	898	3	409700 413600
66	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Distribution System Location: Hoyle House Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 24th April 1989 Incident Reference: 8947 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	921	3	409600 413595
67	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 25th March 1991 Incident Reference: 121364 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	929	3	408900 414200
68	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Brook Lane Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th April 1989 Incident Reference: 8817 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	933	3	409700 415500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 9th October 1990 Incident Reference: 115600 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	975	3	409500 415495
69	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Golcar, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Fish Killed Incident Date: 28th April 1997 Incident Reference: SL970430 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	980	3	409500 415500
70	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Lees Mill Lane, LINTHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: River Colne; No Fish Killed Incident Date: 28th August 1998 Incident Reference: SL980802 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	996	3	408800 414300
70	**Pollution Incidents to Controlled Waters** Property Type: Fire Water Location: River Colne, SLAITHWAITE Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: River Colne; No Fish Killed Incident Date: 17th September 1998 Incident Reference: SL980803 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	997	3	408800 414295
71	**Prosecutions Relating to Authorised Processes** Location: Grosvenor Works, Linthwaite, Huddersfield, Hd7 7qe Prosecution Text: Operating a chemical manufacture process in contravention of IPC authorisation Prosecution Act: Epa90 S6(1) & 23(1)(A) Hearing Date: 17th July 2007 Verdict: Guilty Fine: 8000 Costs: 2185 Positional Accuracy: Manually positioned to the address or location	A12SW (W)	942	3	408862 414275
	River Quality Name: River_Colne GQA Grade: River Quality B Reach: Hoyle_House_Brook_Longwood_Bec Estimated Distance (km): 2.7 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (NW)	114	3	409731 414652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Hoyle_House_Brook GQA Grade: River Quality B Reach: Manchester_Rd_River_Coln Estimated Distance (km): .1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SW (W)	150	3	409625 414489
	River Quality Name: River_Colne GQA Grade: River Quality B Reach: Crimble_Clough_Hoyle_House_Broo Estimated Distance (km): 1.3 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (W)	199	3	409571 414545
	River Quality Name: Huddersfield_Narrow_Canal GQA Grade: River Quality B Reach: Standedge_Tunnel_Milnsbridg Estimated Distance (km): 11.5 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (NW)	203	3	409645 414689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**River Quality Chemistry Sampling Points** Name: River Colne Reach: Longwood Beck River Holme Estimated Distance: 3.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (W)	62	3	409710 414544

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**River Quality Chemistry Sampling Points** Name: River Colne Reach: Hoyle House Brook Longwood Beck Estimated Distance: 2.70 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1994 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (W)	62	3	409710 414544

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**River Quality Chemistry Sampling Points** Name: River Colne Reach: Crimble Clough Hoyle House Brook Estimated Distance: 1.30 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1994 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (W)	62	3	409710 414544
73	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 9th May 2003 Incident Reference: 157120 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Other Organic Chemical Or Product	A12SE (W)	384	3	409394 414448
74	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 12th June 2003 Incident Reference: 165398 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals : Other Pollutant: Organic Chemicals/Products: Surfactants And Detergents	A8NW (SW)	467	3	409574 414089

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 10th July 2003 Incident Reference: 172576 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A18NE (N)	695	3	409985 415250
76	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 24th May 2010 Incident Reference: 782778 Water Impact: Category 1 - Major Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Pesticides And Biocides	A12SW (W)	994	3	408817 414244
77	**Water Abstractions** Operator: James Dyson Ltd Licence Number: 2/27/11/045 Permit Version: 101 Location: Borehole - Millstone Grit - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Hoyle Ing Dyeworks, Linthwaite, Nr. Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (N)	33	3	409800 414600
77	**Water Abstractions** Operator: James Dyson Ltd Licence Number: 2/27/11/045 Permit Version: 100 Location: Borehole - Millstone Grit - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 455 Yearly Rate (m3): 136400 Details: Hoyle Ing Dyeworks, Linthwaite, Nr. Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th September 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (N)	33	3	409800 414600
78	**Water Abstractions** Operator: P W G Mickman Licence Number: 2/27/11/111 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 10 Yearly Rate (m3): 2273 Details: Westwood Mill, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	75	3	409700 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**Water Abstractions** Operator: P W G Mickman Licence Number: 2/27/11/111 Permit Version: 100 Location: River Colne - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Westwood Mill, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	75	3	409700 414500
79	**Water Abstractions** Operator: Property Renaissance Ltd Licence Number: Ne/027/0011/007 Permit Version: 1 Location: Borehole-Millstone Grit-Titanic Mills-Linthwaite Authority: Environment Agency, North East Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Titanic Mills,Linthwaite,Huddersfield Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st February 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	175	3	409740 414730
79	**Water Abstractions** Operator: Lowry Homes Plc Licence Number: 2/27/11/191 Permit Version: 2 Location: Borehole-Millstone Grit-Titanic Mills-Linthwaite Authority: Environment Agency, North East Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Titanic Mills,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th February 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	175	3	409740 414730
79	**Water Abstractions** Operator: Lowry Homes Plc Licence Number: 2/27/11/191 Permit Version: 1 Location: Borehole-Millstone Grit-Titanic Mills-Linthwaite Authority: Environment Agency, North East Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Titanic Mills,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	175	3	409740 414730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	**Water Abstractions** Operator: Property Renaissance Ltd Licence Number: 2/27/11/013(A) Permit Version: 1 Location: River Colne-Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lowestwood Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (W)	185	3	409600 414600
80	**Water Abstractions** Operator: Colne Valley Spinning Co Ltd Licence Number: 2/27/11/013 Permit Version: 100 Location: River Colne-Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 50 Yearly Rate (m3): 10456 Details: Lowestwood Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (W)	185	3	409600 414600
80	**Water Abstractions** Operator: Colne Valley Spinning Co Ltd Licence Number: 2/27/11/013 Permit Version: 100 Location: River Colne-Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lowestwood Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	185	3	409600 414600
81	**Water Abstractions** Operator: G Mallinson & Sons Ltd Licence Number: 2/27/11/128 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 227300 Details: Millstone Grit Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	281	3	409600 414300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**Water Abstractions** Operator: G Mallinson & Sons Ltd Licence Number: 2/27/11/127 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 909 Yearly Rate (m3): 227300 Details: Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	285	3	409600 414295
82	**Water Abstractions** Operator: E Roberts Licence Number: 2/27/11/057 Permit Version: 100 Location: Springs Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 170 Details: Royd House Farm, Linthwaite,K Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	299	3	410100 414700
83	**Water Abstractions** Operator: Colne Valley Spinning Co Ltd Licence Number: 2/27/11/013 Permit Version: 101 Location: Spring-Linthwaite-Huddersfield Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lowestwood Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th July 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	408	3	409400 414700
84	**Water Abstractions** Operator: Michael Wilson Restorations Licence Number: 2/27/11/111 Permit Version: 101 Location: River Colne-Westwood Mills-Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Westwood Mill,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th December 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (W)	570	3	409200 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	**Water Abstractions** Operator: George Cock Ltd Licence Number: 2/27/11/016 Permit Version: 101 Location: Spring - Millstone Grit - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Longfield Dyeworks, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	620	3	409250 414190
86	**Water Abstractions** Operator: Hinchcliffe & Haigh Licence Number: 2/27/11/105 Permit Version: 100 Location: Well - Millstone Grit - Linthwaite Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 996 Details: Croft Farm,Church Lane,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (E)	635	3	410450 414320
87	**Water Abstractions** Operator: George Cock Ltd Licence Number: 2/27/11/050 Permit Version: 101 Location: Borehole - Kinderscout Grit - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Longfield Dyeworks, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	647	3	409260 414130
88	**Water Abstractions** Operator: Hartford Holdings Ltd Licence Number: 2/27/11/042 Permit Version: 100 Location: River Colne - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 159 Yearly Rate (m3): 31820 Details: Ramsden Mill, Linthwaite, Nr. Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th May 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	648	3	410200 415100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**Water Abstractions** Operator: George Cock Ltd Licence Number: 2/27/11/016 Permit Version: 100 Location: Spring - Coal Measures - Water To Mill Dam Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 53325 Details: Longfield Dyeworks, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	713	3	409200 414100
89	**Water Abstractions** Operator: George Cock Ltd Licence Number: 2/27/11/050 Permit Version: 100 Location: Borehole Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 53325 Details: Longfield Dyeworks, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	713	3	409200 414100
90	**Water Abstractions** Operator: Collins & Prestwich & Co Ltd Licence Number: 2/27/11/011 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 23 Details: Lees Mill, Slaithwaite, Near Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	879	3	408900 414400
91	**Water Abstractions** Operator: Imex Properties Ltd Licence Number: 2/27/11/079 Permit Version: Not Supplied Location: Black Rock Mills & Assoc Dwellings, Linthwaite, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: Unclassified Combinations Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 159 Yearly Rate (m3): 38641 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	916	3	409600 413600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**Water Abstractions** Operator: Hartford Holdings Ltd Licence Number: 2/27/11/006 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 146 Yearly Rate (m3): 30117 Details: Ramsden Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	928	3	410400 415300
92	**Water Abstractions** Operator: Hartford Holdings Ltd Licence Number: 2/27/11/006 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ramsden Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	928	3	410400 415300
93	**Water Abstractions** Operator: P & R P & R Whitwam Licence Number: 2/27/11/019 Permit Version: 101 Location: Borehole-Millstone Grit-Golcar Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1454 Details: Bank Bottom Farm, Golcar Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	970	3	408800 414500
94	**Water Abstractions** Operator: Grosvenor Chemicals Limited Licence Number: 2/27/11/179 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 18 Yearly Rate (m3): 6588 Details: Grosvenor Works,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	995	3	408820 414230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Water Abstractions** Operator: Grosvenor Chemicals Ltd Licence Number: 2/27/11/179 Permit Version: 100 Location: River Colne - Linthwaite Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Grosvenor Works,Linthwaite,Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	995	3	408820 414230
	Water Abstractions Operator: Crosland Heath Golf Club Ltd Licence Number: Ne/027/0011/005 Permit Version: 1 Location: Borehole - Millstone Grit- Crosland Heath - Huddersfield Authority: Environment Agency, North East Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SW (E)	1271	3	411100 414300
	Water Abstractions Operator: Crosland Heath Golf Club Ltd Licence Number: 2/27/10/122 Permit Version: 101 Location: Borehole - Millstone Grit- Crosland Heath - Huddersfield Authority: Environment Agency, North East Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Crosland Heath Golf Club, Crosland Heath, Huddersfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 2nd January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1271	3	411100 414300
	Water Abstractions Operator: Jim Briggs Ltd Licence Number: 2/27/11/062 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 82 Yearly Rate (m3): 18184 Details: Millstone Grit Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	1290	3	408500 414300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Birkby Group Ltd Licence Number: 2/27/11/051 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 31822 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1375	3	408900 415595
	Water Abstractions Operator: Birkby Group Ltd Licence Number: 2/27/11/052 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 55 Yearly Rate (m3): 3273 Details: Millstone Grit Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1378	3	408900 415600
	Water Abstractions Operator: Crosland Heath Golf Club Ltd Licence Number: 2/27/10/122 Permit Version: 100 Location: Borehole Authority: Environment Agency, North East Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 24 Yearly Rate (m3): 4000 Details: Crosland Heath Golf Club, Crosland Heath, Huddersfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 27th November 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1389	3	411200 414200
	Water Abstractions Operator: Crosland Heath Golf Club Ltd Licence Number: 2/27/11/170 Permit Version: Not Supplied Location: Crosland Heath Golf Club, Feks Stile Road, Crosland Hill, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 24 Yearly Rate (m3): 2200 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1389	3	411200 414200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Schofield & Smith (Huddersfield) Ltd Licence Number: 2/27/11/029 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 31822 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1692	3	408100 414800
	Water Abstractions Operator: British Waterways Board; Licence Number: 2/27/11/145 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 18184 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1703	3	411100 415700
	Water Abstractions Operator: Colne Vale Dye & Chemical Company Ltd Licence Number: 2/27/11/009 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 11365 Details: Millstone Grit Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1772	3	411100 415800
	Water Abstractions Operator: Globe Worsted Co Licence Number: 2/27/11/008 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 31 Yearly Rate (m3): 9606 Details: Mill At Slaithwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1784	3	408100 413900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Johnsons Wellfield Quarries Ltd Licence Number: 2/27/10/124 Permit Version: 1 Location: Borehole- Millstone Grit - Wellfield Quarry Authority: Environment Agency, North East Region Abstraction: Mineral Products: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Johnsons Wellfield Quarry, Crosland Hill, Huddersfield, West Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1853	3	411700 414630
	Water Abstractions Operator: Yorkshire Water Authority Licence Number: 2/27/11/067 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 363680 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1870	3	407900 414500
	Water Abstractions Operator: Mr C R Hinchliffe Licence Number: 2/27/11/157 Permit Version: 100 Location: Borehole - Millstone Grit - Slaithwaite Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 32 Yearly Rate (m3): 11615 Details: Lower Hey Farm, Slaithwaite Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1908	3	408400 413200
95	**Water Industry Act Referrals** Name: Whyte Chemicals Ltd Location: WHYTE CHEMICALS LTD, GROSVENOR WORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AQ8328 Dated: 20th March 1995 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorised** Positional Accuracy: Automatically positioned to the address	A12SW (W)	988	3	408822 414250
95	**Water Industry Act Referrals** Name: Grosvenor Chemicals Ltd Location: GROSVENOR WORKS,MANCHESTER ROAD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BB0876 Dated: 8th April 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorised** Positional Accuracy: Automatically positioned to the address	A12SW (W)	991	3	408822 414239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**Water Industry Act Referrals** Name: Whyte Chemicals Ltd Location: WHYTE CHEMICALS LTD, GROSVENOR WORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: AH5876 Dated: 19th January 1993 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application cancelled** Positional Accuracy: Automatically positioned to the address	A12SW (W)	992	3	408817 414250
95	**Water Industry Act Referrals** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Manchester Road, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BB0906 Dated: 8th April 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application cancelled** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	994	3	408817 414244
95	**Water Industry Act Referrals** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Manchester Road, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Environment Agency, North East Region Permit Reference: BB0906 Dated: 8th April 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application cancelled** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	994	3	408817 414245
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (SE)	0	5	409811 414532
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	5	409811 414532
	Superficial Aquifer Designations No Data Available				
96	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SE (SE)	0	3	409811 414532
97	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A13NW (N)	125	3	409758 414683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	32	3	409761 414563
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	33	3	409757 414561
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	53	3	409718 414537
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1064.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A13NW (NW)	43	6	409749 414567
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NW (NW)	114	6	409685 414605
100	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 268.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A13NW (NW)	229	6	409626 414709
101	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A13NW (NW)	245	6	409564 414660
102	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 338.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A13NW (NW)	257	6	409543 414650
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	263	6	409545 414392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (W)	277	6	409516 414416
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A13SW (W)	279	6	409495 414479
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (W)	279	6	409495 414479
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 149.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	282	6	409556 414343
108	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A13NW (N)	290	6	409746 414855
109	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: False Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A13NW (N)	290	6	409746 414855
110	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A13NW (N)	297	6	409752 414864
111	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 15.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SW (N)	316	6	409764 414885
112	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 16.0 Watercourse Level: Underground Permanent: False Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A18SW (N)	325	6	409756 414893

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 159.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SW (N)	329	6	409771 414899
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 2	A12SE (W)	334	6	409443 414461
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	334	6	409443 414461
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 143.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	373	6	409580 414198
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	373	6	409580 414198
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 203.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	380	6	409396 414458
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	440	6	409522 414158
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	450	6	409819 415024
121	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 40.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	456	6	409858 415029

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	456	6	409810 415030
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	470	6	409796 415043
124	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A18SE (N)	482	6	409891 415052
125	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	482	6	409891 415052
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	482	6	409509 414115
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	487	6	409787 415060
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	487	6	409580 414063
129	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	489	6	409501 414111
130	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	492	6	409901 415060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	498	6	409769 415070
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	498	6	409496 414104
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 108.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	502	6	409762 415073
134	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	511	6	409921 415075
135	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A18SE (N)	517	6	409920 415081
136	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A18SE (N)	520	6	409924 415084
137	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 205.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	520	6	409931 415083
138	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 49.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SE (W)	524	6	409246 414522
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	524	6	409246 414522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	531	6	409858 415104
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	545	6	409226 414500
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	565	6	409206 414498
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 104.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	571	6	409201 414485
144	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 57.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A12SE (W)	573	6	409197 414513
145	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SE (W)	573	6	409197 414513
146	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SE (W)	585	6	409185 414510
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (S)	587	6	409580 413952
148	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SE (W)	608	6	409162 414505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 124.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	615	6	410018 415157
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 366.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (S)	616	6	409602 413912
151	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 115.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SE (W)	622	6	409148 414503
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 89.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	622	6	410218 414020
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 139.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	624	6	410007 415170
154	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 22.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A19SW (NE)	649	6	410150 415134
155	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 243.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A19SW (NE)	649	6	410150 415134
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 299.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A19SW (NE)	649	6	410150 415134
157	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (NE)	650	6	410118 415152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (NE)	650	6	410118 415152
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	660	6	410178 413942
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	661	6	410164 413932
161	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 166.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	665	6	409109 414457
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	665	6	409109 414457
163	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 233.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A18SE (NE)	666	6	410146 415156
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	681	6	409091 414465
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 479.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	683	6	409895 415254
166	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 54.0 Watercourse Level: On ground surface Permanent: False Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A12SW (W)	725	6	409049 414448

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SW (W)	725	6	409049 414448
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 303.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	725	6	410228 413897
169	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 24.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SW (W)	738	6	409037 414439
170	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SW (W)	758	6	409019 414424
171	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 337.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A12SW (W)	768	6	409010 414417
172	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 431.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	802	6	408982 414377
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	802	6	408982 414377
174	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A19NW (NE)	886	6	410267 415339
175	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A19NW (NE)	891	6	410260 415349

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 372.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	912	6	410306 415347
177	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 82.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A19NW (NE)	916	6	410273 415370
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 723.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8SW (S)	953	6	409628 413556
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 323.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Colne Catchment Name: Aire and Calder Primacy: 1	A7NW (W)	993	6	408850 414153
180	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	995	6	408887 414070
181	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 50.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 2	A19NW (NE)	997	6	410323 415436
182	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 10.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Huddersfield Narrow Canal Catchment Name: Mersey Primacy: 1	A19NW (NE)	997	6	410323 415436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	**Historical Landfill Sites** Licence Holder: Messrs Conroy and Booth Location: Cowersley Lane, Linthwaite, Huddersfield Name: Cowersley Lane Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04182 First Input Date: 1st January 1969 Last Input Date: 31st December 1994 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0749 BGS Ref: Not Supplied Other Ref: 4700/0361	A14NW (E)	317	3	410166 414544
184	**Historical Landfill Sites** Licence Holder: Mr M E Peate Location: Spout Field, off Radcliffe Road, Golcar, Near Huddersfield Name: Dunnock Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04180 First Input Date: 1st January 1926 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0800 BGS Ref: Not Supplied Other Ref: 4700/0077	A12NW (W)	692	3	409101 414707
185	**Historical Landfill Sites** Licence Holder: Collins Prestwich and Company Limited Location: Lees Mill Lane, Slaithwaite, Huddersfield Name: Lees Mill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04243 First Input Date: 1st January 1974 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4700/1131	A12SW (W)	865	3	408931 414320
186	**Historical Landfill Sites** Licence Holder: Eric Wimpenny and Son Limited Location: Cowersley Lane, Linthwaite, Huddersfield Name: The Folly Operator Location: 184a Cowlersley Lane, Huddersfield Boundary Accuracy: As Supplied Provider Reference: EAHLD04236 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4700/0205, 723	A19SE (NE)	970	3	410571 415191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	**Licensed Waste Management Facilities (Locations)** Licence Number: 102648 Location: Unit 1 Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS Operator Name: Ruby Skip Hire Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: HCI Waste Transfer Station **Licence Status: Expired** Issued: 21st April 2011 Last Modified: 30th August 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	21	3	409776 414492
188	**Licensed Waste Management Facilities (Locations)** Licence Number: 65348 Location: Bargate Motor Spares, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW Operator Name: Crowther Robert Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: End of Life Vehicles **Licence Status: Revoked** Issued: 10th February 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: 19th February 2016 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	127	3	409643 414520
188	**Licensed Waste Management Facilities (Locations)** Licence Number: 403498 Location: Unit 1, Bargate Yard, Bargate, Huddersfield, West Yorkshire, HD7 5QW Operator Name: Nasaar Anik Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Vehicle depollution facility **Licence Status: Issued** Issued: 22nd December 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	148	3	409622 414518
188	**Licensed Waste Management Facilities (Locations)** Licence Number: 61010 Location: Bargate Motor Spares, Bargate, Huddersfield, West Yorkshire, HD7 5QW Operator Name: Bargate Motor Spares Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) **Licence Status: Surrendered** Issued: 25th February 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 8th January 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	172	3	409600 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	**Licensed Waste Management Facilities (Locations)** Licence Number: 61036 Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Operator Name: Grosvenor Chemicals Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: In-house Storage Facilities **Licence Status: Expired** Issued: 13th July 1993 Last Modified: Not Supplied Expires: 1st June 2010 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	994	3	408817 414244
	Local Authority Landfill Coverage Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data		0	2	409811 414532
190	**Registered Landfill Sites** Licence Holder: Conroy & Booth Ltd Licence Reference: 361 Site Location: Quarry At Cowlersley Lane, Linthwaite, Huddersfield, West Yorkshire Licence Easting: 410230 Licence Northing: 414600 Operator Location: Ryefield Estate, Scholes, Holmfirth, HUDDERSFIELD, West Yorkshire, HD7 1UQ Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 7th April 1983 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes; Excavation Waste; Max.Waste Permitted By Licence Prohibited Waste: Liable To Cause Environmental Hazards; Poisonous, Noxious, Polluting Wastes; Special Wastes (As In '96 Regs); Waste N.O.S.	A14NW (E)	388	3	410230 414600
191	**Registered Landfill Sites** Licence Holder: M E Peat Licence Reference: 77 Site Location: Dunnock Quarry, Radcliffe Road, Golcar, Huddersfield, West Yorkshire Licence Easting: 409000 Licence Northing: 414740 Operator Location: 34 Upper Wateroyd, Bolster Moor, Golcar, HUDDERSFIELD, West Yorkshire, HD7 5AR Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1981 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Constr'N/Demol./Excav'N Waste; Max.Waste Permitted By Licence Prohibited Waste: Liable To Cause Environmental Hazards; Poisonous, Noxious, Polluting Wastes	A12NW (W)	798	3	409000 414740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	**Registered Landfill Sites** Licence Holder: Collins Prestwich & Co. Licence Reference: 1131 Site Location: Lees Mill, Lees Mill Lane, Slaithwaite, HUDDERSFIELD, West Yorkshire, HD7 5QD Licence Easting: 408900 Licence Northing: 414300 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste Permitted By Licence Uncontam. Constr'N/Demol.Waste Uncontam. Earth/Excav.Waste Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes	A12SW (W)	899	3	408900 414300
193	**Registered Landfill Sites** Licence Holder: Eric Wimpenny & Son Ltd Licence Reference: 205 Site Location: The Folly, 184A Cowersley Lane, HUDDERSFIELD, West Yorkshire, HD4 5UT Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 7th June 1979 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Constr'N/Demol. Inert/Non-Combustible Excavated Natural Materials $ Prohibited Waste: Biodegradable/Putrescible Waste Poisonous, Noxious, Polluting Wastes	A19SE (NE)	988	3	410585 415204
194	**Registered Waste Treatment or Disposal Sites** Licence Holder: K Moorhouse t/a Bargate Motor Spares Licence Reference: 884 Site Location: Bargate Motor Spares, Bargate, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QW Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence has completion certificateSurrendered Dated: 25th February 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Cars & Vans Tyres Vehicle Batteries Waste Oil Prohibited Waste: Special Wastes (As In '96 Regs) N.O.S Waste N.O.S.	A13SW (W)	75	3	409700 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	**Registered Waste Treatment or Disposal Sites** Licence Holder: Grosvenor Chemicals Ltd Licence Reference: 1152 Site Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Storage Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: Waste produced/controlled by licence holder Licence Status: Operational as far as is knownOperational Dated: 1st July 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Contam. Liquid Washings Max.Waste Permitted By Licence Weed Killer Sweepings Prohibited Waste: Waste N.O.S.	A12SW (W)	961	3	408850 414250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	**Control of Major Accident Hazards Sites (COMAH)** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, HD7 5QE Reference: 6338 Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	7	408817 414245
196	**Control of Major Accident Hazards Sites (COMAH)** Name: Grosvenor Chemicals Limited Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Reference: Not Supplied Type: Lower Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	7	408817 414245
197	**Planning Hazardous Substance Consents** Name: Grosvenor Chemicals Limited Location: Grosvenor Works, Lee Mills Lane, LINTHWAIHE, . Authority: Kirklees Metropolitan Borough Council, Planning Services Application Ref: 99/50/93076/Wo Hazardous Substance: Very toxic Maximum Quantity: 20 Application date: 11th November 1999 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Located by supplier to within 10m	A7NW (W)	887	2	408950 414190
197	**Planning Hazardous Substance Consents** Name: Grosvenor Chemicals Limited Location: Grosvenor Works, Lee Mills Lane, LINTHWAIHE, . Authority: Kirklees Metropolitan Borough Council, Planning Services Application Ref: 99/50/93076/Wo Hazardous Substance: Toxic Maximum Quantity: 200 Application date: 11th November 1999 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Located by supplier to within 10m	A7NW (W)	887	2	408950 414190
198	**Planning Hazardous Substance Consents** Name: Pennine Chemical Service Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, Hd7 5qe Authority: Kirklees Metropolitan Borough Council, Planning Services Application Ref: 93/51/04422/Wo Hazardous Substance: Propylene oxide Maximum Quantity: 7 Application date: 17th September 1993 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	989	2	408825 414234
198	**Planning Hazardous Substance Consents** Name: Grosvenor Chemicals Ltd Location: Lees Mill Lane, Linthwaite, Huddersfield Authority: Kirklees Metropolitan Borough Council, Planning Services Application Ref: 2007/51/93099/W0 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 1547 Application date: 23rd July 2007 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	991	2	408820 414244
198	**Planning Hazardous Substance Consents** Name: Pennine Chemical Services Location: Grosvenor Works, Lees Mill Lane, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QE Authority: Kirklees Metropolitan Borough Council, Planning Services Application Ref: 94/52/93691/W Hazardous Substance: Propylene oxide Maximum Quantity: 10 Application date: 18th November 1994 **Decision: Withdrawn** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	2	408817 414244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SE (SE)	0	1	409811 414532
199	**BGS Recorded Mineral Sites** Site Name: Hoyle House Location: Hoyle House, Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 8775 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	125	1	409710 414410
200	**BGS Recorded Mineral Sites** Site Name: Linthwaite Brick Works Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91357 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (S)	204	1	409791 414288
201	**BGS Recorded Mineral Sites** Site Name: Hollywell Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91302 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	216	1	409658 414336
202	**BGS Recorded Mineral Sites** Site Name: Lane Top Location: Lane Top, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94122 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	288	1	410107 414399
203	**BGS Recorded Mineral Sites** Site Name: Spring Grove Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91365 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (S)	319	1	409678 414202

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	**BGS Recorded Mineral Sites** Site Name: Linthwaite Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94156 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	341	1	410190 414530
205	**BGS Recorded Mineral Sites** Site Name: Linthwaite Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 9495 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	388	1	410229 414608
205	**BGS Recorded Mineral Sites** Site Name: Broad Oak Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91312 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	420	1	410250 414653
206	**BGS Recorded Mineral Sites** Site Name: Rock View Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109907 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	390	1	410022 414163
207	**BGS Recorded Mineral Sites** Site Name: Westwood House Location: Wellhouse, Golcar, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91301 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	401	1	409481 414806
208	**BGS Recorded Mineral Sites** Site Name: Hoyle House Location: Hoyle House, Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91362 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	423	1	409497 414202

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	**BGS Recorded Mineral Sites** Site Name: Hazel Grove Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91308 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	459	1	410275 414700
210	**BGS Recorded Mineral Sites** Site Name: Hazel Grove Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94157 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	519	1	410310 414770
211	**BGS Recorded Mineral Sites** Site Name: Hoyle House Location: Hoyle House, Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91363 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	582	1	409351 414124
212	**BGS Recorded Mineral Sites** Site Name: Hazel Grove Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91305 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	645	1	410373 414916
213	**BGS Recorded Mineral Sites** Site Name: Guy Edge Quarries Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91311 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	750	1	410445 414996
214	**BGS Recorded Mineral Sites** Site Name: Hill Top Quarry Location: Slaithwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 35594 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	766	1	409040 414760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	**BGS Recorded Mineral Sites** Site Name: Rye Croft Edge Quarries Location: Crosland Hill, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13878 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	791	1	410545 414150
216	**BGS Recorded Mineral Sites** Site Name: Rye Croft Edge Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94121 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	816	1	410623 414268
216	**BGS Recorded Mineral Sites** Site Name: Ryecroft Edge Quarries Location: Hazel Grove, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91354 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	832	1	410648 414292
217	**BGS Recorded Mineral Sites** Site Name: Ryecroft Edge Quarries Location: Hazel Grove, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91355 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	822	1	410612 414219
218	**BGS Recorded Mineral Sites** Site Name: Johny Bank Quarry Location: Slaithwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 35593 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	859	1	408930 414710
219	**BGS Recorded Mineral Sites** Site Name: Rye Croft Edge Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94120 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	874	1	410715 414402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
220	**BGS Recorded Mineral Sites** Site Name: Spout Quarry Location: Slaithwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 35595 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	876	1	408925 414760
221	**BGS Recorded Mineral Sites** Site Name: Crosland Heath Quarries Location: Crosland Hill, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13885 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	895	1	410525 413940
222	**BGS Recorded Mineral Sites** Site Name: Rye Croft Edge Quarries Location: Crosland Hill, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13879 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	896	1	410745 414520
223	**BGS Recorded Mineral Sites** Site Name: Heath Road Location: Height, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94125 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	898	1	410484 413891
224	**BGS Recorded Mineral Sites** Site Name: Guy Edge Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91304 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	899	1	410536 415123
225	**BGS Recorded Mineral Sites** Site Name: Batty'S Plantation Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94119 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	902	1	410750 414581

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	**BGS Recorded Mineral Sites** Site Name: Heath Location: Linthwaite, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91356 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	923	1	410419 413796
226	**BGS Recorded Mineral Sites** Site Name: Heath Location: Height, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 94124 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	941	1	410442 413792
227	**BGS Recorded Mineral Sites** Site Name: Ryecroft Edge Quarries Location: Hazel Grove, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91353 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	948	1	410786 414377
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	409757 414569
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	33	1	409835 414466
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	409757 414569
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	75	1	409778 414424

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	409757 414569
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	35	1	409854 414483
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	47	1	409755 414577
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	64	1	409741 414588
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	65	1	409906 414493
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	146	1	409983 414467
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414512
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	182	1	410013 414447
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	214	1	410000 414695
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	216	1	409643 414707
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	236	1	409619 414709
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	244	1	409653 414754
	Potential for Landslide Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	247	1	409647 414749
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	33	1	409835 414466
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	409757 414569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	103	1	409668 414512
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	34	1	409854 414483
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	65	1	409906 414493
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	146	1	409983 414467
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414512
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	151	1	410000 414532
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	182	1	410013 414447
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	214	1	410000 414695
	Radon Potential - Radon Affected Areas 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). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	409811 414532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	**Contemporary Trade Directory Entries** Name: James Dyson Ltd Location: Hoyle Ing Dyeworks, Linthwaite, Huddersfield, HD7 5RU Classification: Dyers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	0	-	409812 414535
228	**Contemporary Trade Directory Entries** Name: Oaklands Catering Services Location: 948, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	19	-	409773 414557
229	**Contemporary Trade Directory Entries** Name: A R E Location: 14, Bargate, Linthwaite, Huddersfield, HD7 5QW Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	45	-	409725 414523
229	**Contemporary Trade Directory Entries** Name: Bargate Fabrications & Sheet Metals Location: Unit 1, Bargate Works, Bargate, Huddersfield, HD7 5QW Classification: Sheet Metal Work **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	92	-	409678 414522
229	**Contemporary Trade Directory Entries** Name: Valley Gas Ltd Location: Bargate Works,Bargate, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW Classification: Gas Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	92	-	409678 414522
229	**Contemporary Trade Directory Entries** Name: Unitrucks Location: Bargate Works,Bargate, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	92	-	409678 414522
229	**Contemporary Trade Directory Entries** Name: Unitrucks Location: Bargate, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	92	-	409678 414523
230	**Contemporary Trade Directory Entries** Name: J N H Autos Location: Unit 4, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (NE)	72	-	409870 414627
230	**Contemporary Trade Directory Entries** Name: Roses Cleaning Services Location: 677, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	113	-	409908 414647
231	**Contemporary Trade Directory Entries** Name: The John Eastwood Brewery Location: Unit 4, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS Classification: Brewers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	83	-	409745 414436
232	**Contemporary Trade Directory Entries** Name: Posable Location: Apartment 330, Titanic Mills, Low Westwood Lane, Linthwaite, Huddersfield, HD7 5UN Classification: Cash Registers & Check-Out Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	111	-	409781 414678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	**Contemporary Trade Directory Entries** Name: Bargate Motor Spares Location: Bargate Garage, Bargate, Linthwaite, Huddersfield, HD7 5QW Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	134	-	409652 414464
234	**Contemporary Trade Directory Entries** Name: R Hardy Electrical Engineers Ltd Location: Unit 8, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Electrical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	142	-	409693 414403
234	**Contemporary Trade Directory Entries** Name: Vintage Valve Supplies Location: Linthwaite, Huddersfield, West Yorkshire, HD7 5QQ Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	146	-	409675 414416
234	**Contemporary Trade Directory Entries** Name: J T Refinishing Location: Unit 9, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	150	-	409687 414398
234	**Contemporary Trade Directory Entries** Name: Ridings Food Brokers Ltd Location: Unit 7, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	151	-	409684 414401
234	**Contemporary Trade Directory Entries** Name: Huddersfield M O T Centre Location: Huddersfield Mot Centre Unit 10, Linthwaite Business Centre, Manchester Road, Huddersfield, HD7 5QS Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	158	-	409683 414391
234	**Contemporary Trade Directory Entries** Name: Huddersfield M O T Centre Location: Unit 10, Linthwaite Business Centre, Manchester Road, Huddersfield, HD7 5QS Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	158	-	409683 414391
234	**Contemporary Trade Directory Entries** Name: Huddersfield Mot Centre Location: Unit 12,Linthwaite Bus Centre, Manchester Road, Huddersfield, West Yorkshire, HD4 7QS Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	172	-	409676 414378
234	**Contemporary Trade Directory Entries** Name: Andrew France Location: Unit 14, Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, HD7 5QS Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	182	-	409679 414363
235	**Contemporary Trade Directory Entries** Name: A & S Joinery Location: Coldwell Street, Linthwaite, Huddersfield, HD7 5QN Classification: Joinery Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	228	-	409570 414418
236	**Contemporary Trade Directory Entries** Name: Reliance Garage Location: 747, Manchester Road, Linthwaite, Huddersfield, HD7 5QQ Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	229	-	409611 414363

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
236	**Contemporary Trade Directory Entries** Name: Reliance Garage (Huddersfield) Ltd Location: 747, Manchester Road, Linthwaite, Huddersfield, HD7 5QQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	229	-	409608 414366
237	**Contemporary Trade Directory Entries** Name: Linthwaite Brewery Location: Sair Inn, 139, Lane Top, Linthwaite, Huddersfield, HD7 5SG Classification: Brewers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	258	-	410003 414318
238	**Contemporary Trade Directory Entries** Name: Lockwood Tool Co Ltd Location: Unit 49/50, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	292	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: E T Garages Location: Unit 104, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	292	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Electrical Supplies Ltd Location: Unit 113f Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Electric Motor Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	292	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Bailiff Forge Manufacturing Location: Unit 53/54, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Metal Workers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Flow Control Services Location: Unit 103, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Flow Measurement Systems - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: House Of Cards Location: Unit 31, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Mobility Shop Location: Unit 18, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Plus Foods Ltd Location: Unit 13, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: New Forest Foods Ltd Location: Unit 51, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
238	**Contemporary Trade Directory Entries** Name: Uk Laminates Location: Unit 104, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Glass Fibre Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Vision Print Ltd Location: Unit 25 Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	293	-	409614 414272
238	**Contemporary Trade Directory Entries** Name: Md Motors Location: Unit 111, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Huddersfield Fireplace Co Location: Unit 49-50, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Smc Location: Unit 8, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: J C Auto Centre Location: Unit 8, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Valley Fires & Fireplaces Location: Unit 8b, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: A J M Drive & Controls Location: Unit 53-54, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Gap Fabrications Location: Unit 9-9a, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	293	-	409615 414272
238	**Contemporary Trade Directory Entries** Name: Ecologic Lpg Location: Colne Valley Business Pk, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG Classification: Autogas Suppliers & Installers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	294	-	409614 414271
238	**Contemporary Trade Directory Entries** Name: Electrical Supplies Ltd Location: Unit 113f, Colne Valley Business Park, Manchester Road, Huddersfield, HD7 5QG Classification: Electric Motor Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	331	-	409618 414223

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
238	**Contemporary Trade Directory Entries** Name: Colltex Ltd Location: Unit 114, Colne Valley Business Park, Linthwaite, Huddersfield, HD7 5QG Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	357	-	409613 414195
239	**Contemporary Trade Directory Entries** Name: Rider Custom Cabinet Makers Ltd Location: Unit 6, Colne Valley Business Park, Manchester Road, Huddersfield, HD7 5QG Classification: Cabinet Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	296	-	409597 414282
240	**Contemporary Trade Directory Entries** Name: Drive Revive Location: 7, Causeway Crescent, Linthwaite, Huddersfield, HD7 5NN Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	309	-	409704 414201
241	**Contemporary Trade Directory Entries** Name: Hillcrest Filling Station & Off Licence Location: 96, Gillroyd Lane, Linthwaite, Huddersfield, HD7 5SH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	350	-	410134 414322
241	**Contemporary Trade Directory Entries** Name: Chug Fuel Stop Ltd Location: Gillroyd Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5SH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	351	-	410134 414322
241	**Contemporary Trade Directory Entries** Name: Golf Location: Gillroyd Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5SH Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	351	-	410134 414322
242	**Contemporary Trade Directory Entries** Name: Ruddis Retreat Location: 769a, Manchester Road, Linthwaite, Huddersfield, HD7 5NF Classification: Brake & Clutch Service Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	384	-	409485 414270
243	**Contemporary Trade Directory Entries** Name: Spartan Tools Location: 58, Broad Oak, Linthwaite, Huddersfield, HD7 5TE Classification: Drain & Sewer Clearance - Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	384	-	410233 414509
244	**Contemporary Trade Directory Entries** Name: Genesis Tyres & Alloys Location: Unit 4,Linthwait, Durham, County Durham, DH7 5QS Classification: Tyre Dealers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	400	-	410093 414867
245	**Contemporary Trade Directory Entries** Name: Nelson Roller Location: Bargate,Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QX Classification: Rubber & Plastic Products - Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	450	-	410151 414880
245	**Contemporary Trade Directory Entries** Name: Xtreme Artworx Location: 6 Linthwaite Business Centre, Linthwaite, Huddersfield, West Yorkshire, HD7 5QX Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	452	-	410153 414881

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	**Contemporary Trade Directory Entries** Name: Wayne'S Mechanical Repairs Location: Manchester rd, Linthwaite, Huddersfield, West Yorkshire, HD7 5QX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	452	-	410153 414881
245	**Contemporary Trade Directory Entries** Name: Jovil Garage Location: Jovil, Manchester Road, Linthwaite, Huddersfield, HD7 5QX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	469	-	410157 414901
246	**Contemporary Trade Directory Entries** Name: Thornton & Ross Ltd Location: Manchester Road, Linthwaite, Huddersfield, HD7 5QH Classification: Pharmaceutical Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	470	-	409321 414389
247	**Contemporary Trade Directory Entries** Name: Fays Transport Location: 20, Broad Oak, Linthwaite, Huddersfield, HD7 5TE Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	473	-	410302 414666
247	**Contemporary Trade Directory Entries** Name: Carriclean Location: 87, Broad Oak, Linthwaite, Huddersfield, West Yorkshire, HD7 5TE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	513	-	410341 414676
248	**Contemporary Trade Directory Entries** Name: Military Vehicle Preservation Unit Location: Railway Yard,Lowest Wood La, Golcar, Huddersfield, West Yorkshire, HD7 4ER Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	511	-	409655 415058
249	**Contemporary Trade Directory Entries** Name: Huddersfield Pallets Ltd Location: Jovil, Manchester Road, Linthwaite, HUDDERSFIELD, HD7 5QX Classification: Pallets, Crates & Packing Cases **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	544	-	410189 414975
249	**Contemporary Trade Directory Entries** Name: A S Joinery Location: Manchester Road, Spurn Point, Linthwaite, Huddersfield, HD7 5RF Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	566	-	410189 415005
250	**Contemporary Trade Directory Entries** Name: Micks Auto Services Location: 531, Manchester Road, Linthwaite, Huddersfield, HD7 5QX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	637	-	410281 415014
251	**Contemporary Trade Directory Entries** Name: Barber Components Location: 33, Lower Wellhouse, Golcar, Huddersfield, HD7 4ES Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	669	-	409576 415197
252	**Contemporary Trade Directory Entries** Name: F B S Location: 41, Lower Wellhouse, Golcar, Huddersfield, HD7 4ES Classification: Cladding Suppliers & Installers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	686	-	409619 415230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**Contemporary Trade Directory Entries** Name: Jazz Systems Ltd Location: Unit 22/23, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: Paddock Windows Location: Unit 13, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: PVC-U Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: Chatsworth Stone Uk Ltd Location: Unit 1/2, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Stone Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: Hopton Textiles Ltd Location: Unit 18, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Carpets & Rugs - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: Direct Disposal (Waste Management) Ltd Location: Office 1a-1f, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: United Pallet Repairs Location: 11, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
253	**Contemporary Trade Directory Entries** Name: D F Brasher Location: Office 1b-1c, Black Rock Mills, Waingate, Linthwaite, Huddersfield, HD7 5NS Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	698	-	409655 413811
254	**Contemporary Trade Directory Entries** Name: Telecoms (North) Location: 1-3, Flathouse, Linthwaite, Huddersfield, HD7 5PR Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	710	-	409336 413960
255	**Contemporary Trade Directory Entries** Name: G & J Washers Location: 20, Fernlea Grove, Golcar, Huddersfield, HD7 4HF Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	742	-	409935 415307
256	**Contemporary Trade Directory Entries** Name: Collins Prestwich & Co Ltd Location: Lees Mill, Lees Mill Lane, Slaithwaite, Huddersfield, HD7 5QD Classification: Synthetic Textiles **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	850	-	408939 414348
257	**Contemporary Trade Directory Entries** Name: Golden Bakery Location: Station Road, Golcar, Huddersfield, West Yorkshire, HD7 4EQ Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	881	-	410021 415433
258	**Contemporary Trade Directory Entries** Name: Ringspann Location: 277, Gillroyd Lane, Linthwaite, Huddersfield, HD7 5SY Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	903	-	409952 413599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	**Contemporary Trade Directory Entries** Name: Colltex Ltd Location: 76, Upper Clough, Linthwaite, HUDDERSFIELD, HD7 5PF Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	954	-	409516 413585
259	**Contemporary Trade Directory Entries** Name: Absolute Cleaning Services Location: 78, Upper Clough, Linthwaite, Huddersfield, HD7 5PG Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	963	-	409516 413575
260	**Contemporary Trade Directory Entries** Name: Grosvenor Chemicals Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Classification: Chemical Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	-	408817 414245
260	**Contemporary Trade Directory Entries** Name: Grosvenor Chemicals Ltd Location: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Classification: Chemicals - Distributors & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	994	-	408817 414245
261	**Contemporary Trade Directory Entries** Name: Alpha Marking Services Location: 285, Gillroyd Lane, Linthwaite, Huddersfield, HD7 5SY Classification: Road Marking & Surfacing Equipment & Material Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	996	-	409943 413504
261	**Contemporary Trade Directory Entries** Name: Alpha Marking Services Ltd Location: 285, Gillroyd Lane, Linthwaite, Huddersfield, HD7 5SY Classification: Road Marking & Surfacing Equipment & Material Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	997	-	409942 413503
262	**Fuel Station Entries** Name: Reliance Garage Location: Manchester Road , Linthwaite , Huddersfield, West Yorkshire, HD7 5QQ Brand: UNBRANDED Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	230	-	409607 414365
263	**Fuel Station Entries** Name: Hillcrest Filling Station Location: 96, Gillroyd Lane , Linthwaite , Huddersfield, West Yorkshire, HD7 5SH Brand: Pace Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	350	-	410134 414322

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
264	**Areas of Adopted Green Belt** Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan **Status: Adopted** Plan Date: 1st March 1999	A13NW (W)	63	9	409710 414547
265	**Areas of Unadopted Green Belt** Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan **Status: Submission Draft** Plan Date: 25th April 2017	A13NW (W)	63	9	409710 414547

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Kirklees Metropolitan Borough Council - Planning Services	November 2013	Annual Rolling Update
Calderdale Metropolitan Borough Council - Environmental Health	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	October 2020	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	October 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Kirklees Metropolitan Borough Council - Environmental Health Department	April 2014	Variable
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Kirklees Metropolitan Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Kirklees Metropolitan Borough Council - Environmental Health Department	April 2014	Variable
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	October 2020	
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Environment Agency - North East Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Ridings Area	October 2020	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2020	Quarterly
Water Abstractions		
Environment Agency - North East Region	January 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones		
Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2020	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines		
Ordnance Survey	September 2020	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Ridings Area	October 2020	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2020	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	October 2020	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2020	Quarterly
Local Authority Landfill Coverage		
Calderdale Metropolitan Borough Council - Environmental Health	May 2000	Not Applicable
Kirklees Metropolitan Borough Council - Planning Services	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Calderdale Metropolitan Borough Council - Environmental Health	May 2000	Not Applicable
Kirklees Metropolitan Borough Council - Planning Services	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Environment Agency - North East Region - Yorkshire Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Environment Agency - North East Region - Yorkshire Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Environment Agency - North East Region - Yorkshire Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Kirklees Metropolitan Borough Council - Planning Services	August 2015	Variable
Calderdale Metropolitan Borough Council	February 2016	Variable
Peak District National Park - Development Control	February 2016	Variable
Planning Hazardous Substance Consents		
Kirklees Metropolitan Borough Council - Planning Services	August 2015	Variable
Calderdale Metropolitan Borough Council	February 2016	Variable
Peak District National Park - Development Control	February 2016	Variable
Geological	**Version**	**Update Cycle**
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2020	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines		
National Grid	January 2021	
Underground Electrical Cables		
National Grid	August 2020	
Sensitive Land Use	**Version**	**Update Cycle**
Ancient Woodland		
Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt		
Calderdale Metropolitan Borough Council	June 2020	As notified
Kirklees Metropolitan Borough Council	June 2020	As notified
Peak District National Park	June 2020	As notified
Areas of Unadopted Green Belt		
Calderdale Metropolitan Borough Council	June 2020	As notified
Kirklees Metropolitan Borough Council	June 2020	As notified
Peak District National Park	June 2020	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	April 2020	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2020	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	September 2020	Bi-Annually

Data Suppliers

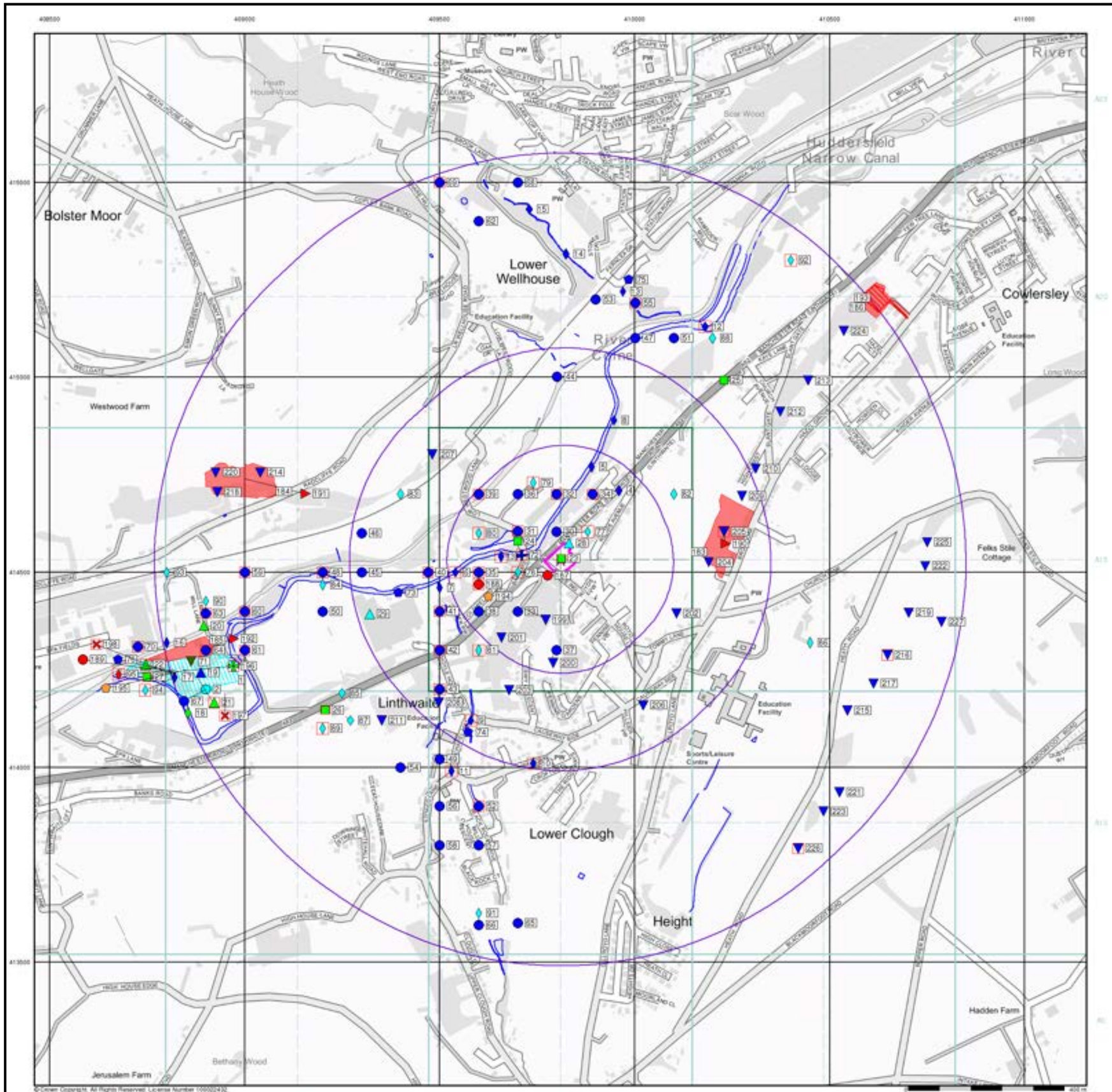
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Kirklees Metropolitan Borough Council - Planning Services** PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Kirklees Metropolitan Borough Council - Environmental Health Department** West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
5	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**Kirklees Metropolitan Borough Council** Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

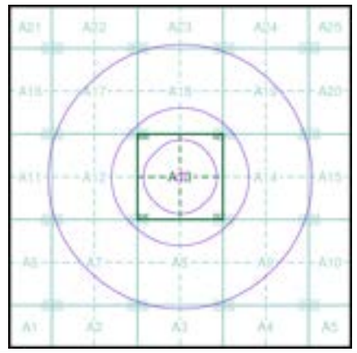
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



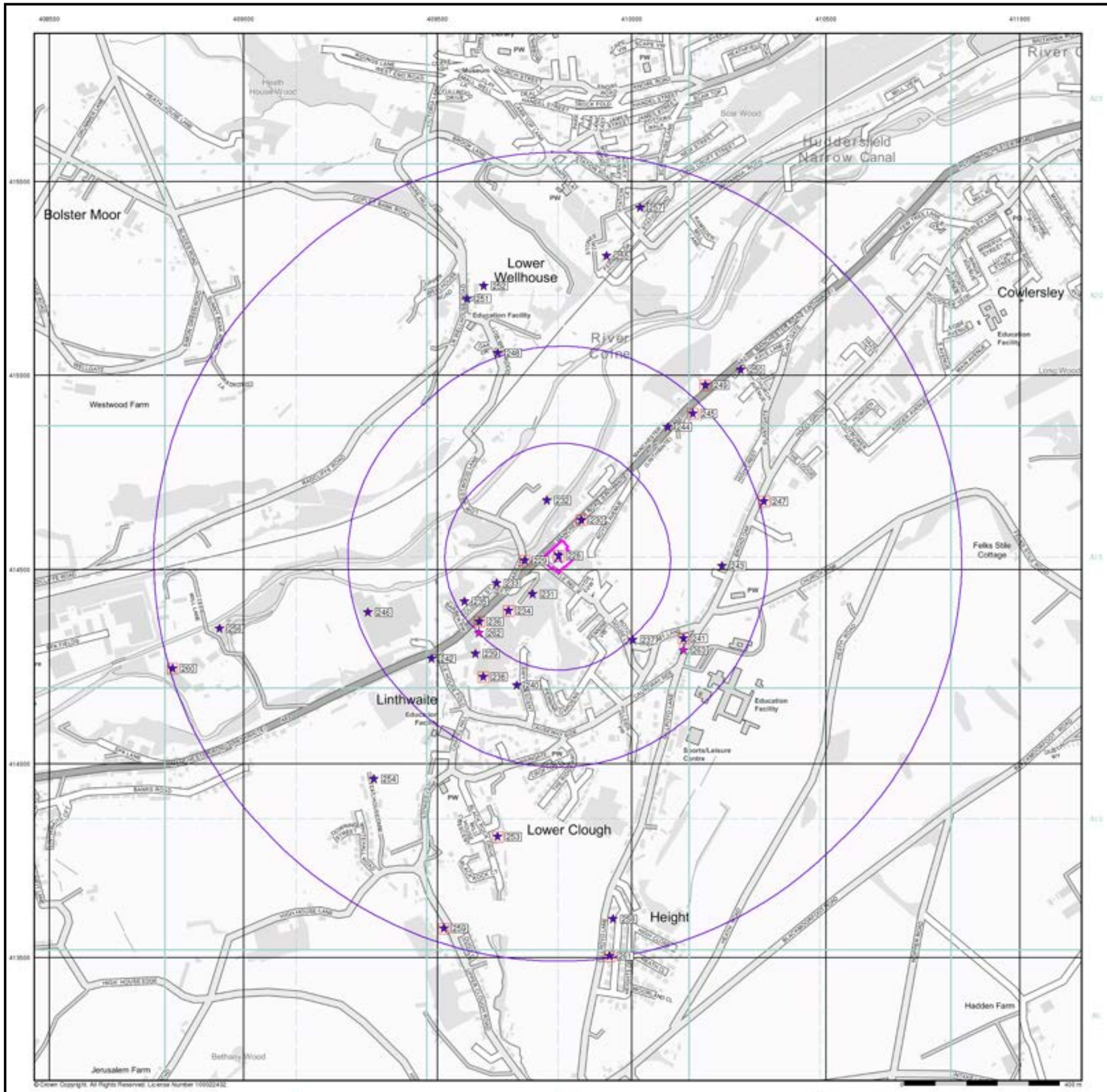
Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

Industrial Land Use Map

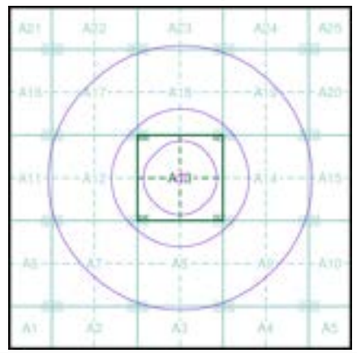
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number:	272688077_1_1
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National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

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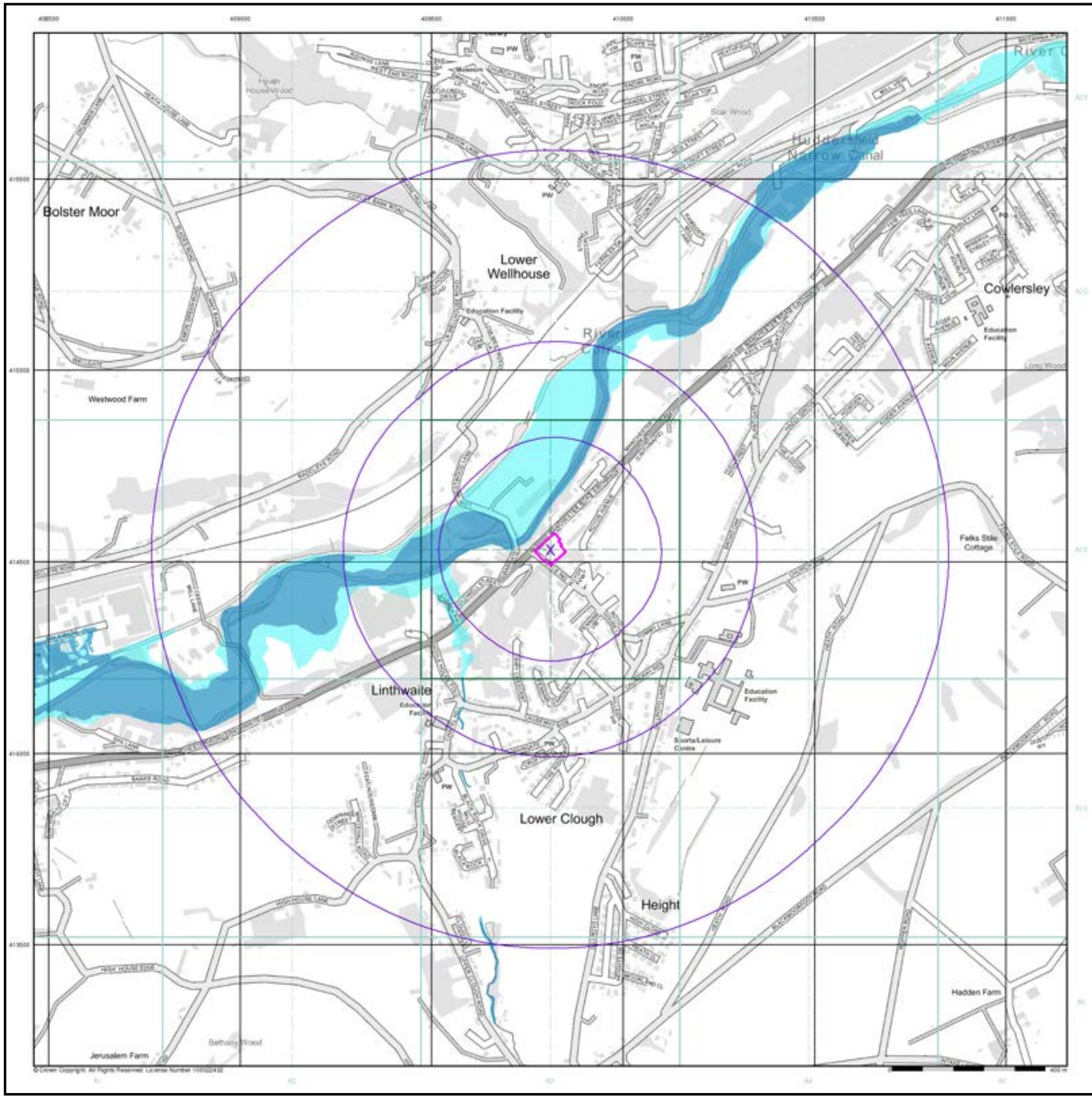


ARP GEOTECHNICAL LTD

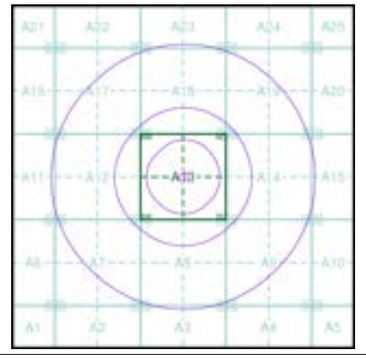
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



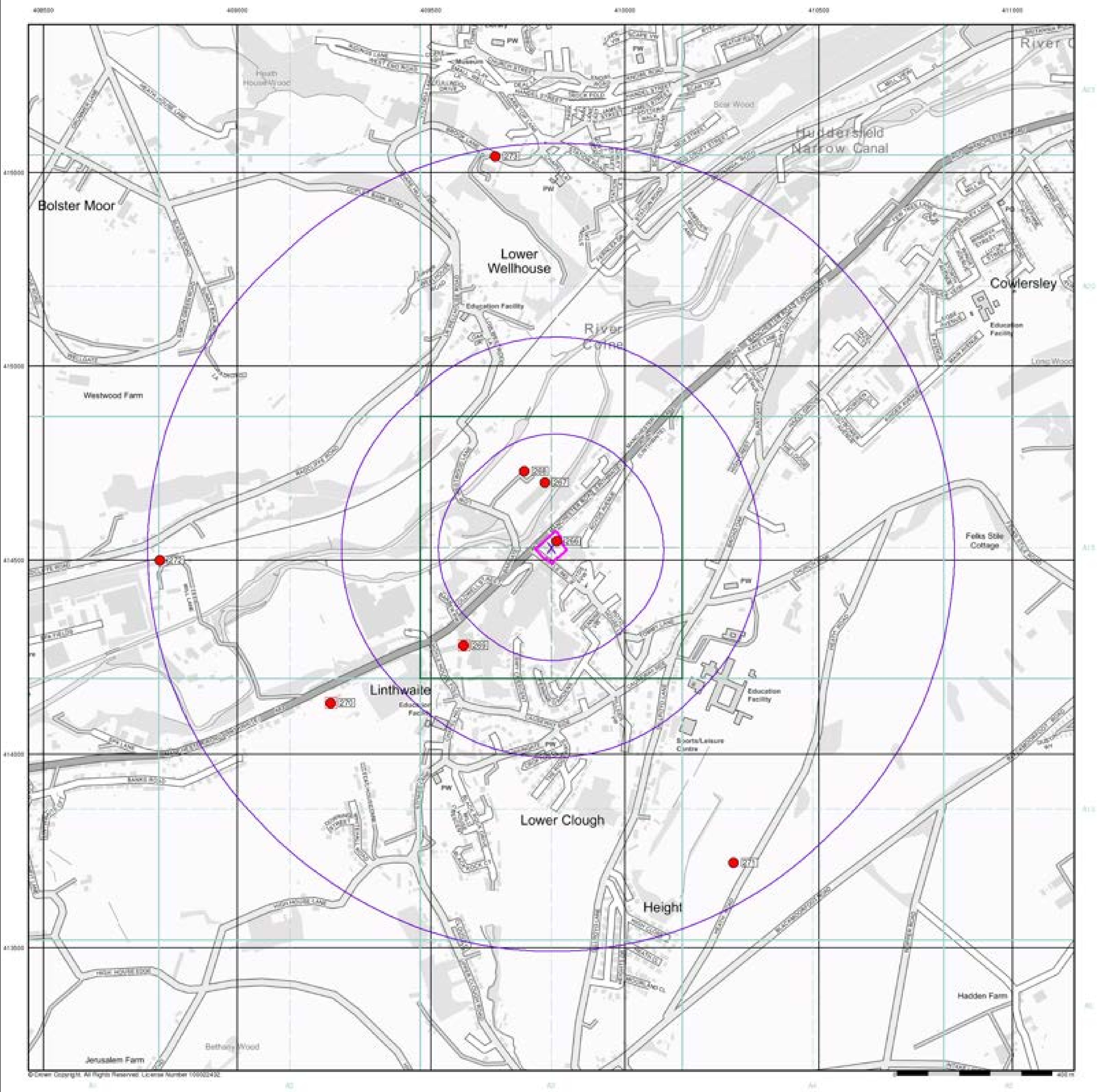
Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

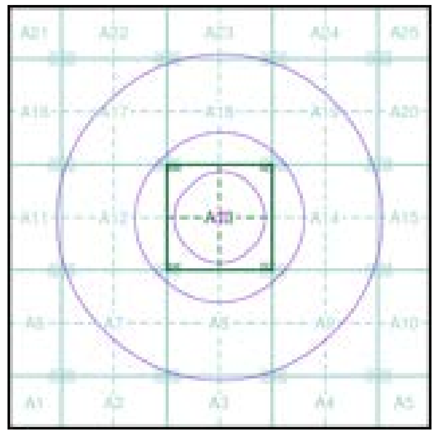
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

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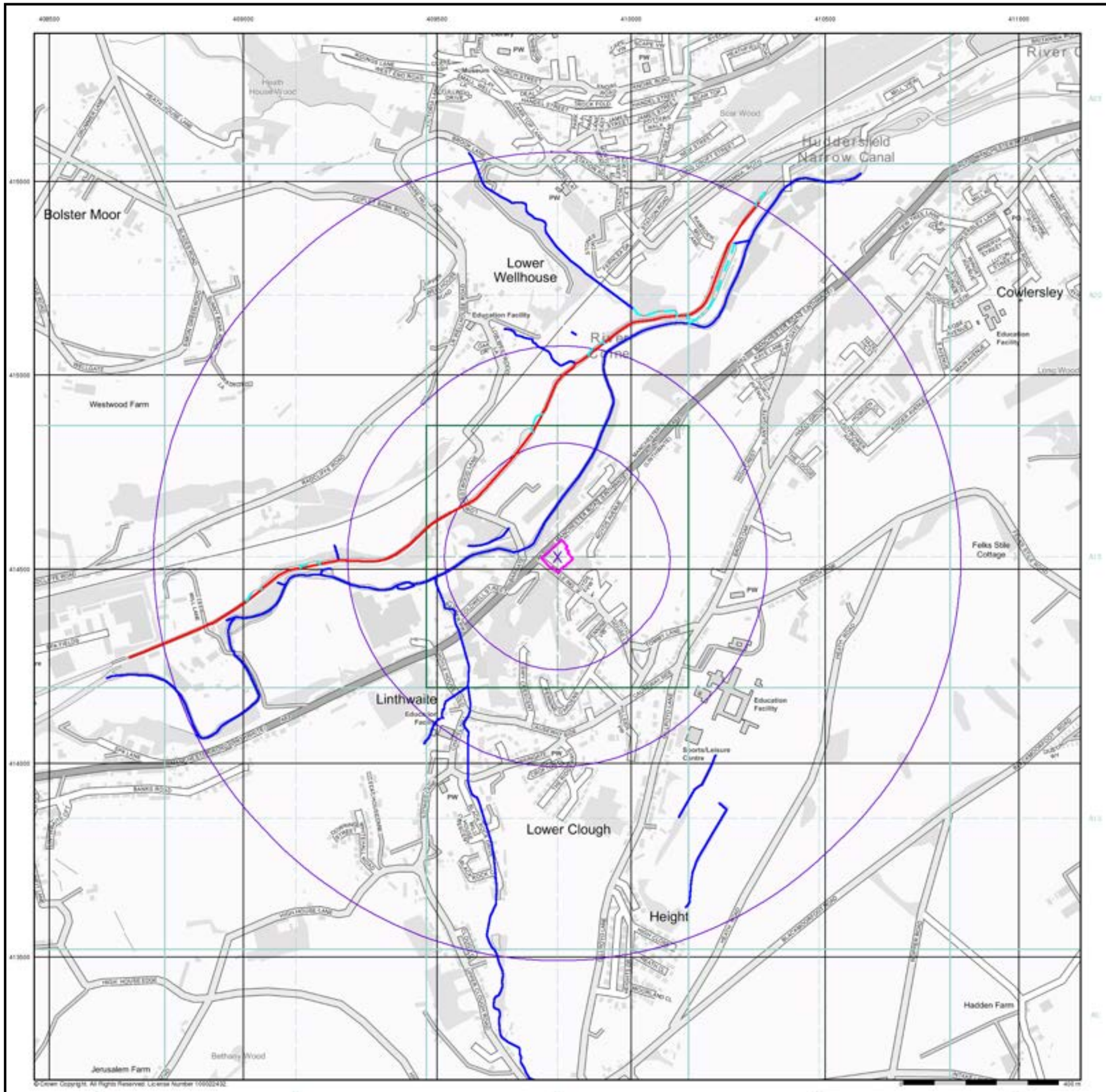
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ARP GEOTECHNICAL LTD

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice A

Order Details

Order Number:	272688077_1_1
Customer Ref:	HIG/01
National Grid Reference:	409810, 414530
Slice:	A
Site Area (Ha):	0.35
Search Buffer (m):	1000

Site Details

Former Hoyle Ing Dye Works, Linthwaite, Huddersfield, HD7 5RX

Landmark INFORMATION GROUP
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX F

RISK CATEGORISATION TABLES

Severity of Consequence

Severe	Short term (acute) risks to human health, likely to result in significant harm. Major pollution of (watercourses or groundwater)
Medium	Long-term (Chronic) damage (significant harm) to human health. Pollution of sensitive water resources.
Mild	Pollution of non-sensitive water resources.
Minor	Non-permanent health effects easily prevented by use of personal protective equipment during site works.

Probability of Risk Event Occurring

High Likelihood	There is a pollutant linkage and an event that either appears very likely in the short term, almost inevitable in the long term, or there is evidence of harm or pollution at the receptor.
Likely	There is a pollution linkage and all the elements are present and in the right place, so that a risk event is possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which a risk event could occur. However, it is not certain that such an event would take place even over a longer period, and even less likely in the short term.
unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

Comparison of Probability Against Severity of Consequence

		Severity of Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**High Likelihood**	**Very High Risk**	**High Risk**	**Moderate Risk**	**Moderate/ Low Risk**
	Likely	**High Risk**	**Moderate Risk**	**Moderate/ Low Risk**	**Low Risk**
	Low Likelihood	**Moderate Risk**	**Moderate/ Low Risk**	**Low Risk**	**Very Low Risk**
	Unlikely	**Moderate/ Low Risk**	**Low Risk**	**Very Low Risk**	**Very Low Risk**

Risk Categories - Definitions

Very High Risk	High probability that severe harm could arise to a receptor, or there is evidence that severe harm is already occurring. Urgent investigation is required and urgent remediation is likely to be required.
High Risk	Harm is likely to arise to a receptor. Urgent investigation is required and remediation may be necessary in the short term and likely over the longer term.
Moderate Risk	Possible that harm could arise to a receptor, but low likelihood that such harm would be severe. Harm is likely to be mild. Investigation normally required to clarify risk. Some remedial works may be required in the long-term.
Moderate/ Low Risk	Possible that harm could arise to a receptor, but where a combination of likelihood and consequence results in a risk that is above low, but is not of sufficient concern to be classified as mild. Limited further investigation may be required to clarify the risk. If necessary, remediation works are likely to be limited in extent.
Low Risk	Possible that harm could arise to a receptor. Such harm, at worst, would normally be mild.
Very Low Risk	Low possibility that harm could arise to a receptor. Such harm is unlikely to be any worse than mild.

APPENDIX G

INDICATIVE PROPOSED SITE LAYOUT

N

Accommodation Schedule

Plots 1 to 6
2 Bed 4 Person Apariments
750 sqft

Plot 7 to 11
Bungalow
2 bed/ 3 person
645sqft

Red line = 0.502 Acres

Remaining Land = 0.324Acres

Rev	Date	Note
F	02-11-20	Increased Bungalows on site frontage.
E	27-10-20	More housing shown in remaining land and green space increased.
D	22-10-20	Updated survey added and housing in blue line shown for discussions
C	29-09-20	Notes added
B	22-09-20	Layout amended
A	16-09-20	Layout amended

PROPOSED PLANNING LAYOUT

Manchester Road, Linthwaite

Pegasus Design

PLANNING | DESIGN | ENVIRONMENT | ECONOMICS | www.pegasuspg.co.uk | TEAM: LEEDS | APPROVED BY: CH | DATE: sep20 | SCALE @ A3 1:500 | DRWG: P20-2944-001 | REV: F | CLIENT | HIGHSTONE HOMES |

A P P E N D I X H

TRIAL PIT LOCATION PLAN AND LOGS


KEY
Trial pits
TP6
Area inaccessible with JCB
Limited access at time of investigation
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
0m
30m
Approximate Scale
ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS
Project
FORMER HOYLE ING DYE WORKS, MANCHESTER RD, LINTHWAITE
Client
HIGHSTONE BUILDING SERVICES LTD
Title
SITE INVESTIGATION PLAN
Date
MARCH 2021
Drawn
OG
Scale
AS SHOWN
Job No.
HIG/01

ARP Geotechnical Limited	Trial Pit Log	TrialPit No **TP1** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409793.88 - 414526.64 Level: 130.67	Date 09/02/2021
Location: Manchester Road, Linthwaite		Pit Dimensions (m) Length: m Width: m Depth: 2.00 m — Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.20	ES					MADE GROUND: Brown gravelly sandy topsoil. Gravel is sub angular of mix lithologies.
			0.25	130.42		*Concrete in western face at 0.25m depth.*
						Stiff brown sandy gravelly CLAY. Gravel is sub angular fine to medium of sandstone.
0.80 - 1.00	D					
			1.20	129.47		Brown silty gravelly SAND. Gravel is angular to sub angular of sandstone. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation).
			1.60	129.07		Moderately weak yellow and pale green fine to coarse SANDSTONE recovered as sandy gravel with occasional cobbles and boulders, up to 0.4m across. (Midgley Grit Formation)
			2.00	128.67		End of Pit at 2.000m

Groundwater: No groundwater observed

Backfill: Backfilled with arisings.

Stability: Stable

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP2** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409793.86 - 414536.90 Level: 130.80	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 3.20 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
						REINFORCED CONCRETE
			0.30	130.50		
0.40 - 0.50	ES					MADE GROUND: Brown, grey and occasionally black gravelly sand with cobble and boulder sized fragment of brick and concrete. Also with occasional fragments of wool and coal.
						Occasionally tar residue on boulders of concrete within the made ground with slight tarry odour.
			0.80	130.00		
						Brown gravelly slightly clayey fine to medium SAND with some angular cobbles and occasional angular boulders of sandstone, up to 0.3m across. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
			1.90	128.90		
						Brown sandy fine to coarse angular GRAVEL and COBBLES of sandstone. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
			2.80	128.00		
2.90 - 3.00	D					Brown mica rich slightly gravelly sandy clayey SILT with many angular cobbles and boulders of pale yellow sandstone, up to 0.4m across. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
			3.00	127.80		
			3.10	127.70		Very weak brown thinly laminated mica rich fine to medium SANDSTONE. (Midgley Grit Formation)
						End of Pit at 3.200m

1 2 3 4 5

Groundwater: No groundwater observed

Backfill: Backfilled with arisings.

Stability: Instability in made ground.

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP3** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409802.87 - 414553.38 Level: 130.40	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 1.50 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.30	ES					MADE GROUND: Brown gravelly sand. Gravel is angular medium to coarse of brick and concrete.
			0.30	130.10		MADE GROUND: Brown gravelly silty sand. Gravel is sub angular to sub rounded fine to coarse of sandstone. (Possible reworked natural).
			1.00	129.40		Moderately weak pale green and yellow fine to coarse SANDSTONE recovered as sandy angular gravel with many cobbles and boulders, up to 0.4m across. (Midgley Grit Formation)
1.30 - 1.40	D					*Redundant ceramic pipe at approximately 1.2m in southern end of pit trending east - west.*
			1.50	128.90		*Teeth of bucket scraping at the base of the excavation.* End of Pit at 1.500m Hard strata

Groundwater: No groundwater observed.

Backfill: Backfilled with arsisings.

Stability: Instability in made ground.

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP4** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409821.84 - 414562.09 Level: 130.50	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 3.00 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
						Dark brown , brown and reddish brown gravelly sandy cobbles and boulders of whole bricks and concrete with occasional fragments of ceramics, glass, metal, wool, timber and rubber.
						Brick wall in western face of excavation (possible basement).
1.30 - 1.40	D					
			3.00	127.50		
			3.00	127.50		Yellowish brown fine to medium SAND. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
						End of Pit at 3.000m

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Unstable within the made ground.

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP5** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409824.72 - 414539.62 Level: 130.80	Date 09/02/2021
Location: Manchester Road, Linthwaite		Pit Dimensions (m) Length: m Width: m Depth: 0.60 m Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.30	ES					MADE GROUND: Brown gravelly sand. Gravel is angular medium to coarse of brick with boulders of concrete.
			0.30	130.50		Moderately strong to strong pale yellow and green fine to coarse SANDSTONE recovered as sandy gravelly angular cobbles and boulders, up to 0.5 across.
			0.60	130.20		*Unable to progress beyond 0.6m depth.* End of Pit at 0.600m Hard strata

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Stable

Remarks:

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Trial Pit Log

TrialPit No **TP6** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409830.23 - 414533.26 Level: 130.90	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 0.50 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
			0.10	130.80		MADE GROUND: Brown gravelly sandy topsoil. Gravel is angular medium of brick.
						Moderately strong brown thinly laminated fine to coarse SANDSTONE recovered as gravelly angular cobbles and boulders of up to 1.2m across.
			0.50	130.40		*Teeth of excavator scraping along base of excavation.*
						End of Pit at 0.500m Hard strata.

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Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Stable

Remarks: Exposed foundation of stone retaining wall. See sketch for dimensions.

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Trial Pit Log

TrialPit No **TP7** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409816.75 - 414533.59 Level: 130.90	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 1.00 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.00 - 0.05	ES		0.05	130.85		MADE GROUND: Brown sandy gravelly topsoil with roots. Gravel is angular of brick.
						Yellowish brown gravelly fine to coarse SAND with many angular cobbles and boulders of sandstone up to 0.7m across. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
			1.00	129.90		End of Pit at 1.000m Hard strata.

Groundwater: No groundwater observed.

Backfill: Backfilled with arsings.

Stability: Stable

Remarks: Exposed foundation of brick retaining wall. See sketch for dimensions.

Trial Pit Log

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TrialPit No **TP8** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409811.47 - 414516.41 Level: 136.90	Date 09/02/2021
Location: Manchester Road, Linthwaite		Pit Dimensions (m) Length: m Width: m Depth: 3.90 m Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
						MADE GROUND: Brown gravelly sand. Gravel is angular of mixed lithologies, brick and concrete with cobbles and boulders of whole bricks and concrete.
1.10 - 1.20	ES		1.10	135.80		MADE GROUND: Black gravelly ashy sand with occasional fragments of wool.
			1.80	135.10		Soft, low strength, greenish grey slightly gravelly sandy CLAY. Gravel is sub angular fine to medium of sandstone.
2.10 - 2.20 2.10	ES	HSV=32				
			2.50	134.40		Greyish brown/yellowish brown slightly gravelly clayey fine to medium SAND. Gravel is sub angular to angular fine to medium of sandstone. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
2.80 - 3.00	D		2.80	134.10		*Soil moist between 2.5 to 2.8m depth.*
						Grey and orangish brown gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of sandstone. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
						Soil moist between 3m and 3.6m depth.
						With angular cobbles of sandstone between 3.6 and 3.8m depth.
			3.80	133.10		Orangish brown slightly clayey sandy angular GRAVEL and angular COBBLES of sandstone ((Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation).
			3.90	133.00		*Hard strata at 3.9m depth.*
						End of Pit at 3.900m

1 2 3 4 5

Groundwater: Soil moist between 2.5m and 3.6m

Backfill: Backfilled with arisings.

Stability: Instability in the made ground.

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP9** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409834.15 - 414528.67 Level: 136.30	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 1.00 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.20	ES					MADE GROUND: Brown gravelly sand. Gravel is of mixed lithologies and brick.
			0.20	136.10		Moderately strong orangish brown fine to coarse SANDSTONE. Recovered as sandy gravel with many cobbles and boulders, up to 0.3m across. *Slow progress between 0.2m and 0.8m depth.*
			0.80	135.50		Moderately weak pale green and yellow with occasional orange staining fine to coarse SANDSTONE recovered as sandy gravel with cobbles and boulders, up to 0.4m across. *Hard strata.*
			1.00	135.30		End of Pit at 1.000m

Groundwater: No groundwater observed.

Backfill: Backfilled with arsings.

Stability: Stable

Remarks:

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Trial Pit Log

TrialPit No **TP10** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409805.81 - 414504.19 Level: 137.10	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 0.50 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.20	ES					MADE GROUND: Brown gravelly sand. Gravel is angular fine to coarse of mixed lithologies and brick.
			0.40	136.70		Greenish grey CLAY.
			0.50	136.60		*Ceramic pipe at base of excavation.*
						End of Pit at 0.500m Ceramic pipe at base of excavation.

1
2
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Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Stable

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP11** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409807.58 - 414509.68 Level: 137.10	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 1.70 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.30 - 0.50	ES					MADE GROUND: Brown sandy angular gravel of mixed lithologies, brick and concrete with cobbles and boulders of whole bricks, concrete.
0.55		HSV=76	0.50	136.60		Stiff (high strength) greenish grey sandy CLAY.
			1.20	135.90		Brown slightly gravelly clayey fine to medium SAND with angular to sub angular cobbles of sandstone. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
						Slow progress. With angular boulders up to 400mm across.
			1.70	135.40		End of Pit at 1.700m

Groundwater: No groundwater observed.

Backfill: Backfilled with arsings.

Stability: Stable

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP12** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409817.05 - 414561.37 Level: 130.50	Date 09/02/2021
Location: Manchester Road, Linthwaite	Pit Dimensions (m) Length: m Width: m Depth: 0.40 m	Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
			0.10	130.40		MADE GROUND: Brown gravelly sand. Gravel is angular of bricks and concrete. With cobbles and boulders of brick and sandstone.
						CONCRETE.
			0.40	130.10		*Unable to break through concrete slab.*
						End of Pit at 0.400m Unable to break out slab using breaker attachments.

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Stable

Remarks:

ARP Geotechnical Limited

Trial Pit Log

TrialPit No **TP13** Sheet 1 of 1

Project Name: Former Hoyle Ing Dye Works, Linthwaite	Project No. HIG/01	Co-ords: 409807.72 - 414527.91 Level: 130.80	Date 09/02/2021
Location: Manchester Road, Linthwaite		Pit Dimensions (m) Length: m Width: m Depth: 2.00 m Machine Type: JCB 3CX	Scale 1:25
Client: Highstone Building Services Ltd			Logged: OG

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.20 - 0.40	ES					MADE GROUND Brown gravelly sand. Gravel is angular medium to coarse of brick and concrete with rare wire, plastic and metal. Also with cobbles and boulders of brick and concrete.
			0.40	130.40		CONCRETE
			0.70	130.10		Yellowish brown gravelly fine to coarse SAND with some angular cobbles and boulder of sandstone up to 0.4m across. (Soils derived from the insitu weathering of sandstone of the Midgley Grit Formation)
1.30	D					
			1.80	129.00		Moderately strong yellow and pale green fine to coarse SANDSTONE recovered as sandy gravel with angular cobbles and boulders. up to 0.6m across
			2.00	128.80		End of Pit at 2.000m

1 2 3 4 5

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Stability: Stable

Remarks:

ARP
Chartered Consulting Engineers

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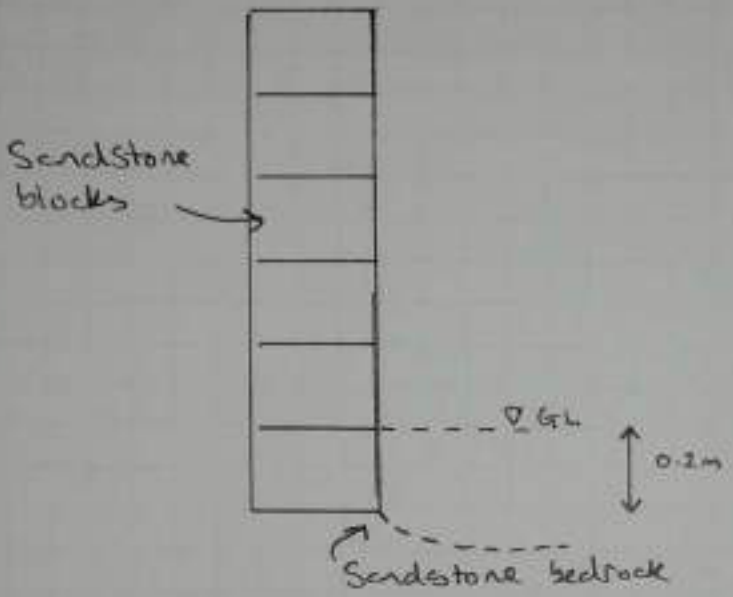
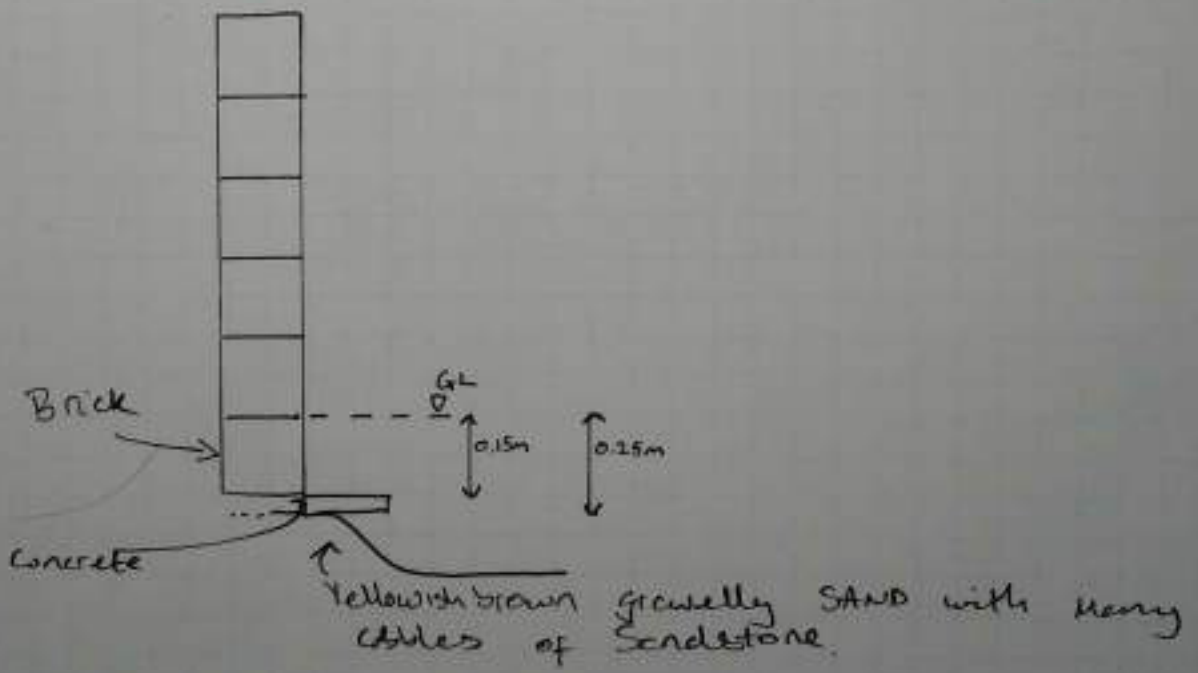
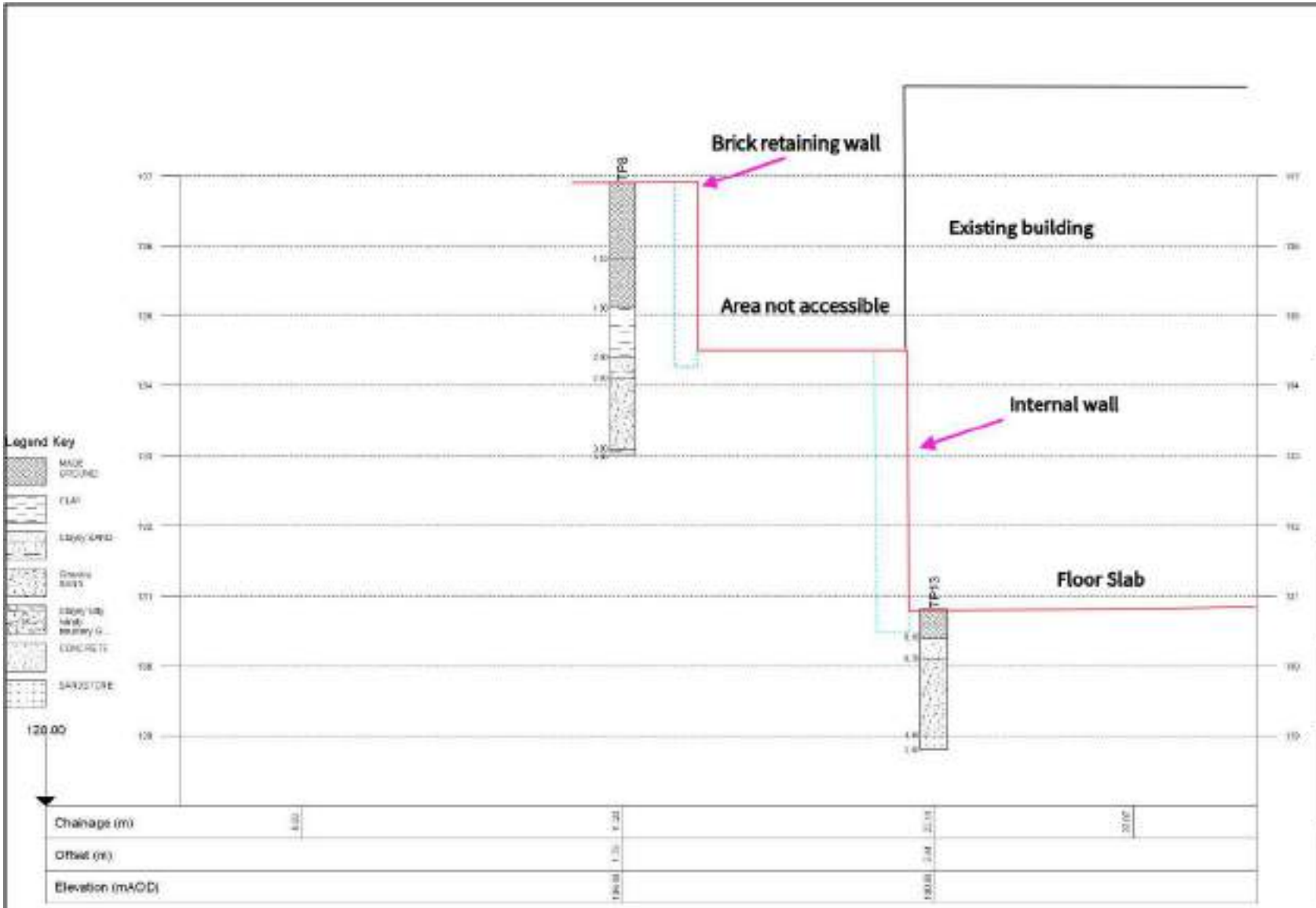
Client: Highstone Building Services Ltd	Project No: H1G/01	Sheet of
Project: Manchester Rd, Linthwaite	Calc By: OG	Date: 9/2/21
Element: Foundation inspection	Chkd By:	Date:

TP6



TP7





ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project
FORMER HOYLE ING
DYE WORKS, MANCHESTER RD,
LINTHWAITE

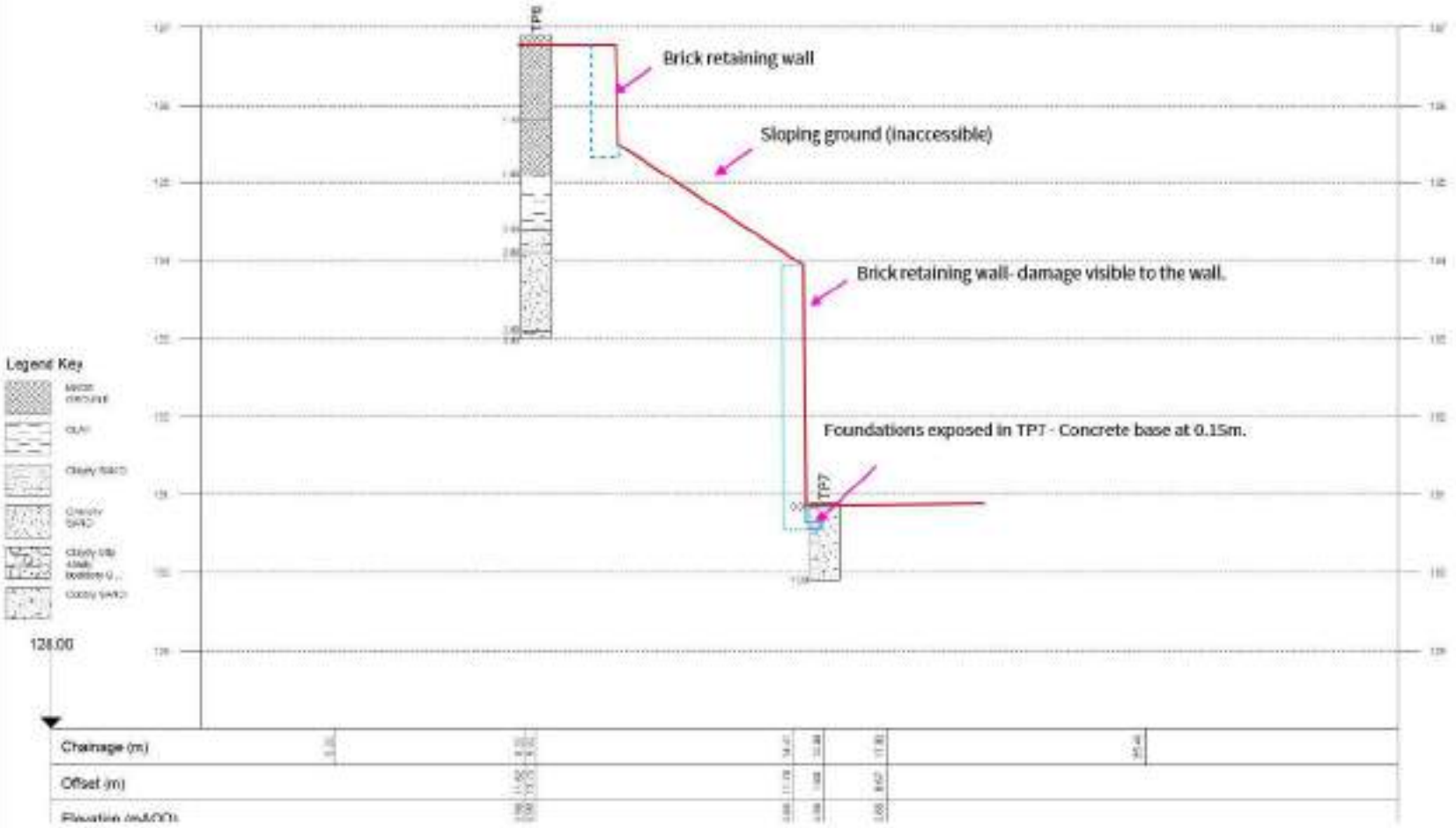
Client
HIGHSTONE BUILDING
SERVICES LTD

Title
CROSS SECTION 1

Date
FEBRUARY 2021

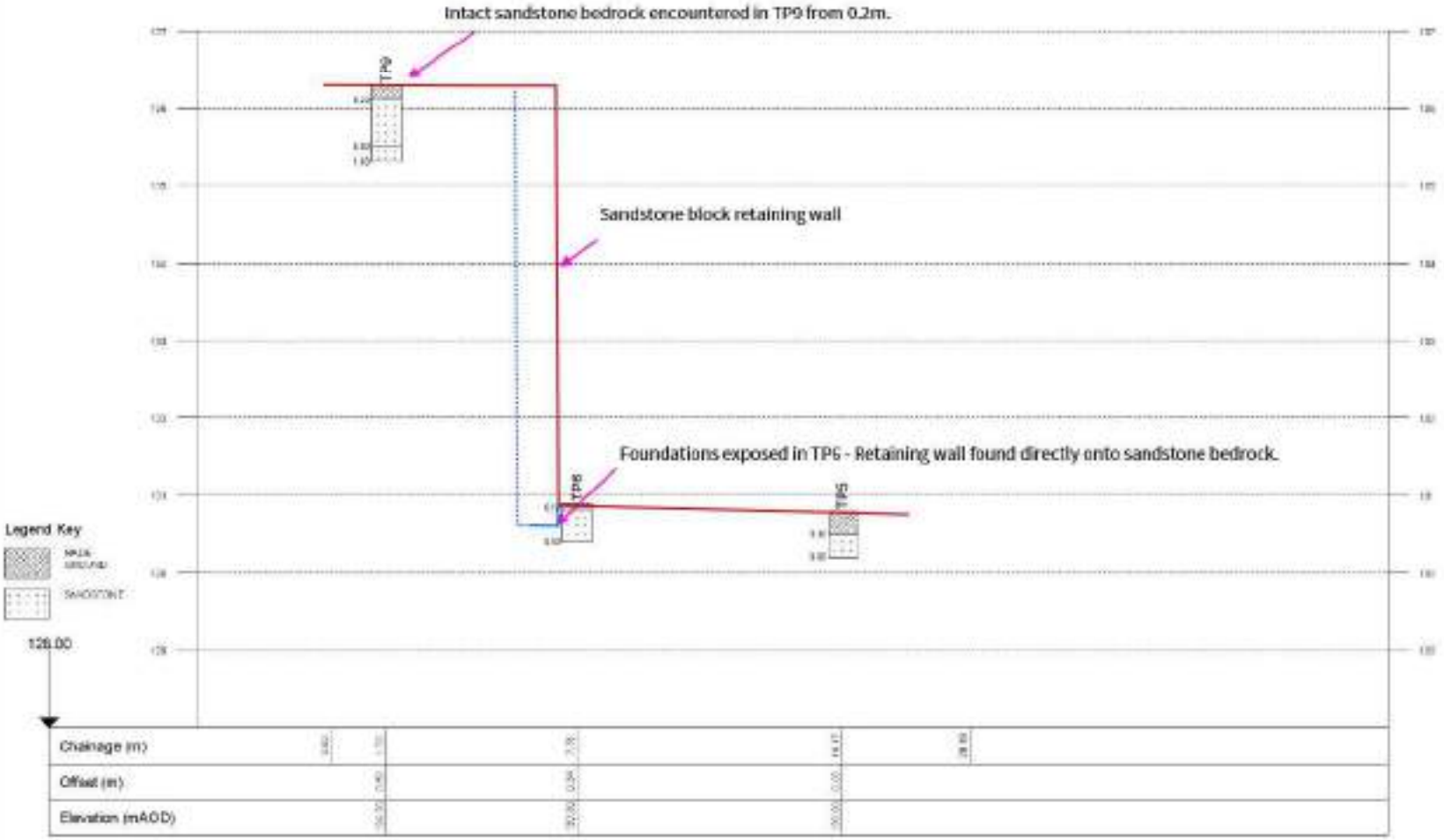
Drawn	Scale
OG	AS SHOWN

Job No.
HIG/01



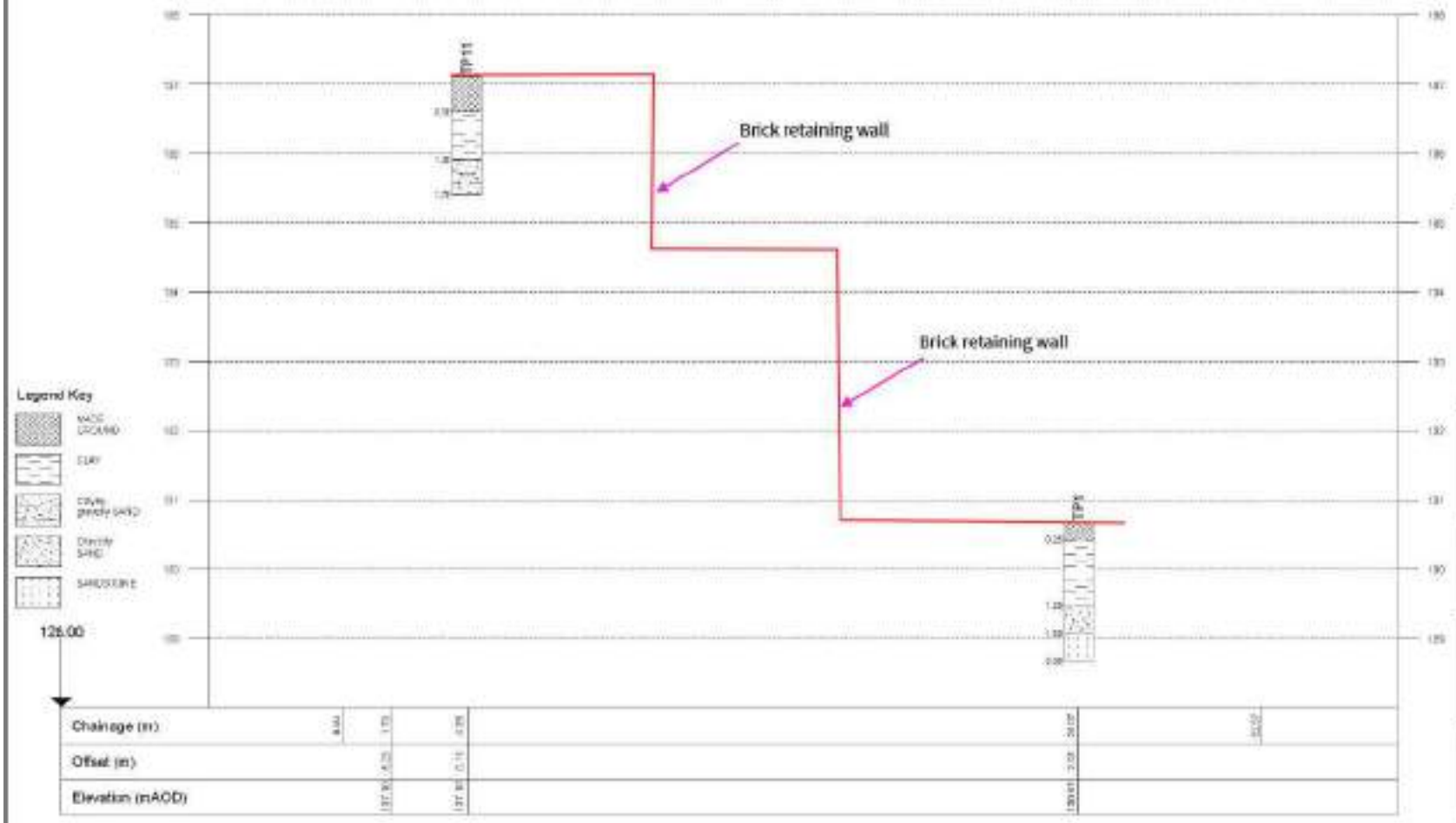
ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project	FORMER HOYLE ING DYE WORKS, MANCHESTER RD, LINTHWAITE
Client	HIGHSTONE BUILDING SERVICES LTD
Title	CROSS SECTION 2
Date	FEBRUARY 2021
Drawn	OG
Scale	AS SHOWN
Job No.	**HIG/01**



ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project	FORMER HOYLE ING DYE WORKS, MANCHESTER RD, LINTHWAITE
Client	HIGHSTONE BUILDING SERVICES LTD
Title	CROSS SECTION 2
Date	FEBRUARY 2021
Drawn	OG
Scale	AS SHOWN
Job No.	**HIG/01**



ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Project
FORMER HOYLE ING
DYE WORKS, MANCHESTER RD,
LINTHWAITE

Client
HIGHSTONE BUILDING
SERVICES LTD

Title
CROSS SECTION 4

Date
FEBRUARY 2021

Drawn	Scale
OG	AS SHOWN

Job No.
HIG/01

APPENDIX J

LABORATORY TEST CERTIFICATES AND SCREENING VALUES

A R P G E O T E C H N I C A L L I M I T E D
SOIL CONTAMINANT SCREENING VALUES
RESIDENTIAL WITH HOME-GROWN PRODUCE

Determinand	S4UL (mg/kg)			C4SL (mg/kg)		
Arsenic	37			37		
Cadmium	11			22		
Chromium (trivalent)	910					
Chromium (hexavalent)	6			21		
Copper	2400					
Lead				200		
Inorganic Mercury	40					
Nickel	180					
Selenium	250					
Zinc	3700					
Acidity (pH)	*Should be Greater Than 5			*Should be Greater Than 5		
	1% SOM	**2.5% SOM**	**6% SOM**	**1% SOM**	**2.5% SOM**	**6% SOM**
Naphthalene	2.3	5.6	13			
Acenaphthylene	170	420	920			
Acenaphthene	210	510	1,100			
Fluorene	170	400	860			
Phenanthrene	95	220	440			
Anthracene	2,400	5,400	11,000			
Fluoranthene	280	560	890			
Pyrene	620	1,200	2,000			
Benzo(a)anthracene	7.2	11	13			
Chrysene	15	22	27			
Benzo(b)fluoranthene	2.6	3.3	3.7			
Benzo(k)fluoranthene	77	93	100			
Benzo(a)pyrene	2.2	2.7	3			5
Indeno(1,2,3-cd)pyrene	27	36	41			
Dibenzo(a,h)anthracene	0.24	0.28	0.30			
Benzo(g,h,I)perylene	320	340	350			
Phenols	120	200	380			
Total TPH	*Above 500, speciate and compare with values below:					
C5 to C6 Aliphatic	42	78	160			
C6 to C8 Aliphatic	100	230	530			
C8 to C10 Aliphatic	27	65	150			
C10 to C12 Aliphatic	130	330	760			
C12 to C16 Aliphatic	1100	2,400	4,300			
C16 to C35 Aliphatic	65,000	92,000	110,000			
C35 TO C44 Aliphatic	65,000	92,000	110,000			
C5 to C7 Aromatic (Benzene)	70	140	300			
C7 to C8 Aromatic (Toluene)	130	290	660			
C8 to C10 Aromatic	34	83	190			
C10 to C12 Aromatic	74	180	380			
C12 to C16 Aromatic	140	330	660			
C16 to C21 Aromatic	260	540	930			
C21 TO C35 Aromatic	1100	1,500	1,700			
C35 TO C44 Aromatic	1100	1,500	1,700			
Asbestos	*Should be None Detected			*Should be None Detected		

* In House Value/Approach S4UL = Suitable 4 Use Level, CIEH/LQM 2014 C4SL = Cat 4 Screening Level, DEFRA, 2014

Blank cell indicates no published value or in-house value. Some values presented are above saturation limits.

ARP GEOTECHNICAL LIMITED
SOIL CONTAMINANT SCREENING VALUES
RESIDENTIAL WITHOUT HOME-GROWN PRODUCE

Determinand	S4UL (mg/kg)			C4SL (mg/kg)		
Arsenic	40			40		
Cadmium	85			150		
Chromium (trivalent)	910					
Chromium (hexavalent)	6			21		
Copper	7100					
Lead				310		
Inorganic Mercury	56					
Nickel	180					
Selenium	430					
Zinc	40000					
Acidity (pH)	*Should be Greater Than 5			*Should be Greater Than 5		
	1% SOM	**2.5% SOM**	**6% SOM**	**1% SOM**	**2.5% SOM**	**6% SOM**
Naphthalene	2.3	5.6	13			
Acenaphthylene	2900	4600	6000			
Acenaphthene	3000	4700	6000			
Fluorene	2800	3800	4500			
Phenanthrene	1300	1500	1500			
Anthracene	31000	35000	37000			
Fluoranthene	1500	1600	1600			
Pyrene	3700	3800	3800			
Benzo(a)anthracene	11	14	15			
Chrysene	30	31	32			
Benzo(b)fluoranthene	3.9	4	4			
Benzo(k)fluoranthene	110	110	110			
Benzo(a)pyrene	3.2	3.2	3.2			5.3
Indeno(1,2,3-cd)pyrene	45	46	46			
Dibenzo(a,h)anthracene	0.31	0.32	0.32			
Benzo(g,h,I)perylene	360	360	360			
Phenols	440	690	1200			
Total TPH	*Above 500, speciate and compare with values below:					
C5 to C6 Aliphatic	42	78	160			
C6 to C8 Aliphatic	100	230	530			
C8 to C10 Aliphatic	27	65	150			
C10 to C12 Aliphatic	130	330	770			
C12 to C16 Aliphatic	1100	2400	4400			
C16 to C35 Aliphatic	65000	92000	110000			
C35 TO C44 Aliphatic	65000	92000	110000			
C5 to C7 Aromatic (Benzene)	370	690	1400			
C7 to C8 Aromatic (Toluene)	860	1800	3900			
C8 to C10 Aromatic	47	110	270			
C10 to C12 Aromatic	250	590	1200			
C12 to C16 Aromatic	1800	2300	2500			
C16 to C21 Aromatic	1900	1900	1900			
C21 TO C35 Aromatic	1900	1900	1900			
C35 TO C44 Aromatic	1900	1900	1900			
Asbestos	*Should be None Detected			*Should be None Detected		

* In House Value/Approach S4UL = Suitable 4 Use Level, CIEH/LQM 2014 C4SL = Cat 4 Screening Level, DEFRA, 2014

Blank cell indicates no published value or in-house value. Some values presented are above saturation limits.

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Email: info@chemtest.com

Amended Report

Report No.:	21-04006-2		
Initial Date of Issue:	17-Feb-2021	**Date of Re-Issue:**	25-Feb-2021
Client	ARP Geotechnical Ltd		
Client Address:	5/6 Northwest Business Park Servia Hill Leeds Yorkshire LS6 2QH		
Contact(s):	Owain Gwilym		
Project	HIG/01 Manchester Road, Linthwaite		
Quotation No.:	Q20-21438	**Date Received:**	11-Feb-2021
Order No.:	HIG/01	**Date Instructed:**	11-Feb-2021
No. of Samples:	12		
Turnaround (Wkdays):	11	**Results Due:**	25-Feb-2021
Date Approved:	25-Feb-2021		

Redacted

Details: Glynn Harvey, Technical Manager

Results - Leachate

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd				**Chemtest Job No.:**		21-04006	21-04006
Quotation No.: Q20-21438				**Chemtest Sample ID.:**		1139506	1139515
				Sample Location:		TP2	TP13
				Sample Type:		SOIL	SOIL
				Top Depth (m):		0.40	0.30
				Bottom Depth (m):		0.50	0.40
				Date Sampled:		09-Feb-2021	09-Feb-2021
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**		
Lead (Dissolved)	U	1455	10:1	µg/l	0.50		0.89
Naphthalene	U	1700	10:1	µg/l	0.10	< 0.10	
Acenaphthylene	U	1700	10:1	µg/l	0.10	< 0.10	
Acenaphthene	U	1700	10:1	µg/l	0.10	< 0.10	
Fluorene	U	1700	10:1	µg/l	0.10	< 0.10	
Phenanthrene	U	1700	10:1	µg/l	0.10	< 0.10	
Anthracene	U	1700	10:1	µg/l	0.10	< 0.10	
Fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	
Pyrene	U	1700	10:1	µg/l	0.10	< 0.10	
Benzo[a]anthracene	U	1700	10:1	µg/l	0.10	< 0.10	
Chrysene	N	1700	10:1	µg/l	0.10	< 0.10	
Benzo[b]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	
Benzo[k]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	
Benzo[a]pyrene	U	1700	10:1	µg/l	0.10	< 0.10	
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	µg/l	0.10	< 0.10	
Dibenz(a,h)Anthracene	U	1700	10:1	µg/l	0.10	< 0.10	
Benzo[g,h,i]perylene	U	1700	10:1	µg/l	0.10	< 0.10	
Total Of 16 PAH's	N	1700	10:1	µg/l	2.0	< 2.0	

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139505	1139506	1139507	1139508	1139509	1139510	1139511	1139512
			Sample Location:		TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.40	0.10	1.30	0.10	0.10	0.00	1.10
			Bottom Depth (m):		0.20	0.50	0.30	1.40	0.30	0.20	0.05	1.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
ACM Type	U	2192		N/A	-	-	-	-	-	-	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	Chrysotile
ACM Detection Stage	U	2192		N/A	-	-	-	-	-	-	Stereo Microscopy	Stereo Microscopy
Asbestos by Gravimetry	U	2192	%	0.001							0.002	<0.001
Total Asbestos	U	2192	%	0.001							0.002	<0.001
Moisture	N	2030	%	0.020	14	16	15	13	11	14	13	25
pH	M	2010		4.0	8.3	8.2	10.7	9.8	10.2	9.9	10.7	9.1
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.022	1.7	0.35	0.077	0.45	0.21	0.47	0.090
Sulphate (Total)	M	2430	mg/kg	100	560	17000	3700	3900	4000	2200	3000	3800
Arsenic	M	2450	mg/kg	1.0	4.5	27	18	12	7.3	5.5	6.3	200
Cadmium	M	2450	mg/kg	0.10	0.19	0.41	0.21	0.29	0.25	0.32	0.49	0.31
Chromium	M	2450	mg/kg	1.0	27	180	510	90	73	28	49	34
Copper	M	2450	mg/kg	0.50	33	250	180	58	72	36	62	240
Mercury	M	2450	mg/kg	0.10	< 0.10	0.30	0.16	0.14	< 0.10	0.17	0.12	0.23
Nickel	M	2450	mg/kg	0.50	30	34	24	26	16	20	24	94
Lead	M	2450	mg/kg	0.50	24	520	88	250	250	110	300	85
Selenium	M	2450	mg/kg	0.20	0.37	0.62	0.21	< 0.20	< 0.20	0.26	< 0.20	4.1
Zinc	M	2450	mg/kg	0.50	81	150	130	160	120	120	150	56
Chromium (Trivalent)	N	2490	mg/kg	1.0	27	180	510	90	72	28	49	34
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	1.1	< 0.50	0.83	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	0.67	5.5	4.3	3.3	1.2	3.3	1.7	26
Total TPH >C6-C40	M	2670	mg/kg	10	110	1500	62	< 10	< 10	< 10	47	57
Naphthalene	M	2700	mg/kg	0.10	0.24	52	1.1	0.51	0.40	0.27	0.46	0.40
Acenaphthylene	M	2700	mg/kg	0.10	0.17	1.7	< 0.10	0.60	0.48	< 0.10	0.21	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	0.48	35	0.36	0.35	0.27	0.13	0.37	< 0.10
Fluorene	M	2700	mg/kg	0.10	0.16	25	0.39	0.31	0.10	0.16	0.29	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	1.6	80	2.5	2.4	1.1	0.78	5.5	0.47
Anthracene	M	2700	mg/kg	0.10	0.40	34	0.53	0.47	0.14	0.11	1.3	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	2.4	61	2.4	2.6	1.1	0.95	8.7	0.73
Pyrene	M	2700	mg/kg	0.10	2.3	62	2.4	2.5	1.1	0.87	8.6	0.70
Benzo[a]anthracene	M	2700	mg/kg	0.10	1.2	39	0.98	1.2	0.56	0.44	3.8	0.25
Chrysene	M	2700	mg/kg	0.10	0.97	38	0.82	1.0	0.47	0.39	3.7	0.67
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	1.5	46	1.2	1.5	0.80	0.29	5.0	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.59	17	0.44	0.54	0.25	< 0.10	1.8	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	1.1	36	0.70	0.95	0.47	0.33	3.3	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	0.68	21	< 0.10	< 0.10	< 0.10	< 0.10	1.9	< 0.10

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139505	1139506	1139507	1139508	1139509	1139510	1139511	1139512
		Sample Location:			TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.10	0.40	0.10	1.30	0.10	0.10	0.00	1.10
		Bottom Depth (m):			0.20	0.50	0.30	1.40	0.30	0.20	0.05	1.20
		Date Sampled:			09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
		Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	0.15	5.5	< 0.10	< 0.10	< 0.10	< 0.10	0.55	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	0.75	20	< 0.10	< 0.10	< 0.10	< 0.10	2.0	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	15	570	14	15	7.2	4.7	48	3.2
Dichlorodifluoromethane	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Chloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Vinyl Chloride	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Bromomethane	M	2760	µg/kg	20		< 20		< 20				< 20
Chloroethane	U	2760	µg/kg	2.0		< 2.0		< 2.0				< 2.0
Trichlorofluoromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,1-Dichloroethene	M	2760	mg/kg	1.0		< 1.0		< 1.0				< 1.0
Trans 1,2-Dichloroethene	M	2760	mg/kg	1.0		< 1.0		< 1.0				< 1.0
1,1-Dichloroethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Bromochloromethane	U	2760	µg/kg	5.0		< 5.0		< 5.0				< 5.0
Trichloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,1,1-Trichloroethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Tetrachloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Benzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				5.2
1,2-Dichloroethane	M	2760	µg/kg	2.0		< 2.0		< 2.0				< 2.0
Trichloroethene	N	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2-Dichloropropane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Dibromomethane	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Bromodichloromethane	M	2760	µg/kg	5.0		< 5.0		< 5.0				< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10		< 10		< 10				< 10
Toluene	M	2760	µg/kg	1.0		< 1.0		< 1.0				19
Trans-1,3-Dichloropropene	N	2760	µg/kg	10		< 10		< 10				< 10
1,1,2-Trichloroethane	M	2760	µg/kg	10		< 10		< 10				< 10
Tetrachloroethene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0		< 2.0		< 2.0				< 2.0
Dibromochloromethane	U	2760	µg/kg	10		< 10		< 10				< 10
1,2-Dibromoethane	M	2760	µg/kg	5.0		< 5.0		< 5.0				< 5.0
Chlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0		< 2.0		< 2.0				< 2.0
Ethylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				68
m & p-Xylene	M	2760	µg/kg	1.0		< 1.0		< 1.0				23
o-Xylene	M	2760	µg/kg	1.0		< 1.0		< 1.0				7.9
Styrene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139505	1139506	1139507	1139508	1139509	1139510	1139511	1139512
		Sample Location:			TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.10	0.40	0.10	1.30	0.10	0.10	0.00	1.10
		Bottom Depth (m):			0.20	0.50	0.30	1.40	0.30	0.20	0.05	1.20
		Date Sampled:			09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
		Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Tribromomethane	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Isopropylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Bromobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50		< 50		< 50				< 50
N-Propylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,4-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50		< 50		< 50				< 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0		< 2.0		< 2.0				< 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0		< 1.0		< 1.0				< 1.0
N-Nitrosodimethylamine	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Phenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Chlorophenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
1,3-Dichlorobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
1,2-Dichlorobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Methylphenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Hexachloroethane	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
4-Methylphenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Nitrobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Isophorone	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Nitrophenol	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139505	1139506	1139507	1139508	1139509	1139510	1139511	1139512
		Sample Location:			TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.10	0.40	0.10	1.30	0.10	0.10	0.00	1.10
		Bottom Depth (m):			0.20	0.50	0.30	1.40	0.30	0.20	0.05	1.20
		Date Sampled:			09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
		Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
2,4-Dichlorophenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Naphthalene	M	2790	mg/kg	0.50		200		< 0.50				< 0.50
4-Chloroaniline	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Hexachlorobutadiene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Methylnaphthalene	M	2790	mg/kg	0.50		61		< 0.50				< 0.50
4-Nitrophenol	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Chloronaphthalene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Nitroaniline	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Acenaphthylene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Dimethylphthalate	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2,6-Dinitrotoluene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Acenaphthene	M	2790	mg/kg	0.50		110		< 0.50				< 0.50
3-Nitroaniline	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Dibenzofuran	M	2790	mg/kg	0.50		77		< 0.50				< 0.50
4-Chlorophenylphenylether	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2,4-Dinitrotoluene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Fluorene	M	2790	mg/kg	0.50		70		< 0.50				< 0.50
Diethyl Phthalate	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
4-Nitroaniline	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Azobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Hexachlorobenzene	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Pentachlorophenol	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Phenanthrene	M	2790	mg/kg	0.50		430		0.66				< 0.50
Anthracene	M	2790	mg/kg	0.50		92		< 0.50				< 0.50
Carbazole	M	2790	mg/kg	0.50		53		< 0.50				< 0.50
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Fluoranthene	M	2790	mg/kg	0.50		280		0.93				0.90
Pyrene	M	2790	mg/kg	0.50		230		0.78				0.75
Butylbenzyl Phthalate	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Benzo[a]anthracene	M	2790	mg/kg	0.50		92		< 0.50				< 0.50
Chrysene	M	2790	mg/kg	0.50		89		< 0.50				< 0.50

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139505	1139506	1139507	1139508	1139509	1139510	1139511	1139512
		Sample Location:			TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.10	0.40	0.10	1.30	0.10	0.10	0.00	1.10
		Bottom Depth (m):			0.20	0.50	0.30	1.40	0.30	0.20	0.05	1.20
		Date Sampled:			09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
		Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50		< 0.50		< 0.50				< 0.50
Benzo[b]fluoranthene	M	2790	mg/kg	0.50		90		< 0.50				< 0.50
Benzo[k]fluoranthene	M	2790	mg/kg	0.50		33		< 0.50				< 0.50
Benzo[a]pyrene	M	2790	mg/kg	0.50		74		< 0.50				< 0.50
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50		33		< 0.50				< 0.50
Dibenz(a,h)Anthracene	M	2790	mg/kg	0.50		9.0		< 0.50				< 0.50
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50		33		< 0.50				< 0.50
PCB 28	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 52	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 90+101	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 118	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 153	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 138	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
PCB 180	U	2815	mg/kg	0.010		< 0.010		< 0.010				< 0.010
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10		< 0.10		< 0.10				< 0.10
Total Phenols	M	2920	mg/kg	0.30	< 0.30	1.5	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139513	1139514	1139515	1139516
			Sample Location:		TP9	TP11	TP13	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.30	0.30	2.10
			Bottom Depth (m):		0.20	0.40	0.40	2.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
ACM Type	U	2192		N/A	Fibres/Clumps	-	-	-
Asbestos Identification	U	2192		N/A	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	Stereo Microscopy	-	-	-
Asbestos by Gravimetry	U	2192	%	0.001	<0.001			
Total Asbestos	U	2192	%	0.001	<0.001			
Moisture	N	2030	%	0.020	13	19	15	23
pH	M	2010		4.0	9.4	8.9	9.6	7.1
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	0.32	1.2	0.20
Sulphate (Total)	M	2430	mg/kg	100	610	5800	8000	1500
Arsenic	M	2450	mg/kg	1.0	5.0	26	12	8.4
Cadmium	M	2450	mg/kg	0.10	0.44	0.39	1.5	0.12
Chromium	M	2450	mg/kg	1.0	17	24	150	22
Copper	M	2450	mg/kg	0.50	16	56	110	27
Mercury	M	2450	mg/kg	0.10	< 0.10	0.12	0.11	0.29
Nickel	M	2450	mg/kg	0.50	24	29	23	15
Lead	M	2450	mg/kg	0.50	17	330	560	51
Selenium	M	2450	mg/kg	0.20	0.26	0.44	0.25	0.59
Zinc	M	2450	mg/kg	0.50	84	330	910	72
Chromium (Trivalent)	N	2490	mg/kg	1.0	17	24	150	22
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	0.91	11	3.3	3.3
Total TPH >C6-C40	M	2670	mg/kg	10	96	210	640	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	11	0.63	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	2.1	0.22	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	13	0.87	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	7.6	0.69	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	68	5.2	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	10	1.2	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	62	6.3	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	56	6.4	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	20	3.1	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	19	2.4	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	24	4.7	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	8.9	1.1	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	17	2.2	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	12	1.1	< 0.10

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139513	1139514	1139515	1139516
			Sample Location:		TP9	TP11	TP13	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.30	0.30	2.10
			Bottom Depth (m):		0.20	0.40	0.40	2.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	3.3	0.52	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	10	1.0	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	340	38	< 2.0
Dichlorodifluoromethane	U	2760	µg/kg	1.0				
Chloromethane	M	2760	µg/kg	1.0				
Vinyl Chloride	M	2760	µg/kg	1.0				
Bromomethane	M	2760	µg/kg	20				
Chloroethane	U	2760	µg/kg	2.0				
Trichlorofluoromethane	M	2760	µg/kg	1.0				
1,1-Dichloroethene	M	2760	mg/kg	1.0				
Trans 1,2-Dichloroethene	M	2760	mg/kg	1.0				
1,1-Dichloroethane	M	2760	µg/kg	1.0				
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0				
Bromochloromethane	U	2760	µg/kg	5.0				
Trichloromethane	M	2760	µg/kg	1.0				
1,1,1-Trichloroethane	M	2760	µg/kg	1.0				
Tetrachloromethane	M	2760	µg/kg	1.0				
1,1-Dichloropropene	U	2760	µg/kg	1.0				
Benzene	M	2760	µg/kg	1.0				
1,2-Dichloroethane	M	2760	µg/kg	2.0				
Trichloroethene	N	2760	µg/kg	1.0				
1,2-Dichloropropane	M	2760	µg/kg	1.0				
Dibromomethane	M	2760	µg/kg	1.0				
Bromodichloromethane	M	2760	µg/kg	5.0				
cis-1,3-Dichloropropene	N	2760	µg/kg	10				
Toluene	M	2760	µg/kg	1.0				
Trans-1,3-Dichloropropene	N	2760	µg/kg	10				
1,1,2-Trichloroethane	M	2760	µg/kg	10				
Tetrachloroethene	M	2760	µg/kg	1.0				
1,3-Dichloropropane	U	2760	µg/kg	2.0				
Dibromochloromethane	U	2760	µg/kg	10				
1,2-Dibromoethane	M	2760	µg/kg	5.0				
Chlorobenzene	M	2760	µg/kg	1.0				
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0				
Ethylbenzene	M	2760	µg/kg	1.0				
m & p-Xylene	M	2760	µg/kg	1.0				
o-Xylene	M	2760	µg/kg	1.0				
Styrene	M	2760	µg/kg	1.0				

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139513	1139514	1139515	1139516
			Sample Location:		TP9	TP11	TP13	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.30	0.30	2.10
			Bottom Depth (m):		0.20	0.40	0.40	2.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Tribromomethane	U	2760	µg/kg	1.0				
Isopropylbenzene	M	2760	µg/kg	1.0				
Bromobenzene	M	2760	µg/kg	1.0				
1,2,3-Trichloropropane	N	2760	µg/kg	50				
N-Propylbenzene	U	2760	µg/kg	1.0				
2-Chlorotoluene	M	2760	µg/kg	1.0				
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0				
4-Chlorotoluene	U	2760	µg/kg	1.0				
Tert-Butylbenzene	U	2760	µg/kg	1.0				
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0				
Sec-Butylbenzene	U	2760	µg/kg	1.0				
1,3-Dichlorobenzene	M	2760	µg/kg	1.0				
4-Isopropyltoluene	U	2760	µg/kg	1.0				
1,4-Dichlorobenzene	M	2760	µg/kg	1.0				
N-Butylbenzene	U	2760	µg/kg	1.0				
1,2-Dichlorobenzene	M	2760	µg/kg	1.0				
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50				
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0				
Hexachlorobutadiene	U	2760	µg/kg	1.0				
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0				
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0				
N-Nitrosodimethylamine	M	2790	mg/kg	0.50				
Phenol	M	2790	mg/kg	0.50				
2-Chlorophenol	M	2790	mg/kg	0.50				
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50				
1,3-Dichlorobenzene	M	2790	mg/kg	0.50				
1,4-Dichlorobenzene	N	2790	mg/kg	0.50				
1,2-Dichlorobenzene	M	2790	mg/kg	0.50				
2-Methylphenol	M	2790	mg/kg	0.50				
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50				
Hexachloroethane	N	2790	mg/kg	0.50				
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50				
4-Methylphenol	M	2790	mg/kg	0.50				
Nitrobenzene	M	2790	mg/kg	0.50				
Isophorone	M	2790	mg/kg	0.50				
2-Nitrophenol	N	2790	mg/kg	0.50				
2,4-Dimethylphenol	N	2790	mg/kg	0.50				
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50				

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139513	1139514	1139515	1139516
			Sample Location:		TP9	TP11	TP13	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.30	0.30	2.10
			Bottom Depth (m):		0.20	0.40	0.40	2.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
2,4-Dichlorophenol	M	2790	mg/kg	0.50				
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50				
Naphthalene	M	2790	mg/kg	0.50				
4-Chloroaniline	N	2790	mg/kg	0.50				
Hexachlorobutadiene	M	2790	mg/kg	0.50				
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50				
2-Methylnaphthalene	M	2790	mg/kg	0.50				
4-Nitrophenol	N	2790	mg/kg	0.50				
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50				
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50				
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50				
2-Chloronaphthalene	M	2790	mg/kg	0.50				
2-Nitroaniline	M	2790	mg/kg	0.50				
Acenaphthylene	M	2790	mg/kg	0.50				
Dimethylphthalate	M	2790	mg/kg	0.50				
2,6-Dinitrotoluene	M	2790	mg/kg	0.50				
Acenaphthene	M	2790	mg/kg	0.50				
3-Nitroaniline	N	2790	mg/kg	0.50				
Dibenzofuran	M	2790	mg/kg	0.50				
4-Chlorophenylphenylether	M	2790	mg/kg	0.50				
2,4-Dinitrotoluene	M	2790	mg/kg	0.50				
Fluorene	M	2790	mg/kg	0.50				
Diethyl Phthalate	M	2790	mg/kg	0.50				
4-Nitroaniline	M	2790	mg/kg	0.50				
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50				
Azobenzene	M	2790	mg/kg	0.50				
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50				
Hexachlorobenzene	M	2790	mg/kg	0.50				
Pentachlorophenol	N	2790	mg/kg	0.50				
Phenanthrene	M	2790	mg/kg	0.50				
Anthracene	M	2790	mg/kg	0.50				
Carbazole	M	2790	mg/kg	0.50				
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50				
Fluoranthene	M	2790	mg/kg	0.50				
Pyrene	M	2790	mg/kg	0.50				
Butylbenzyl Phthalate	M	2790	mg/kg	0.50				
Benzo[a]anthracene	M	2790	mg/kg	0.50				
Chrysene	M	2790	mg/kg	0.50				

Results - Soil

Project: HIG/01 Manchester Road, Linthwaite

Client: ARP Geotechnical Ltd		**Chemtest Job No.:**			21-04006	21-04006	21-04006	21-04006
Quotation No.: Q20-21438		**Chemtest Sample ID.:**			1139513	1139514	1139515	1139516
			Sample Location:		TP9	TP11	TP13	TP8
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.30	0.30	2.10
			Bottom Depth (m):		0.20	0.40	0.40	2.20
			Date Sampled:		09-Feb-2021	09-Feb-2021	09-Feb-2021	09-Feb-2021
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50				
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50				
Benzo[b]fluoranthene	M	2790	mg/kg	0.50				
Benzo[k]fluoranthene	M	2790	mg/kg	0.50				
Benzo[a]pyrene	M	2790	mg/kg	0.50				
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50				
Dibenz(a,h)Anthracene	M	2790	mg/kg	0.50				
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50				
PCB 28	U	2815	mg/kg	0.010				
PCB 52	U	2815	mg/kg	0.010				
PCB 90+101	U	2815	mg/kg	0.010				
PCB 118	U	2815	mg/kg	0.010				
PCB 153	U	2815	mg/kg	0.010				
PCB 138	U	2815	mg/kg	0.010				
PCB 180	U	2815	mg/kg	0.010				
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10				
Total Phenols	M	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30

Test Methods

SOP	Title	Parameters included	Method summary
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

LABORATORY REPORT

4043

Contract Number: PSL21/1264

Report Date: 02 March 2021

Client's Reference: HIG-01

Client Name: ARP
Northwest House
5/6 Northwest Business Park
Servia Hill
Leeds
LS6 2QH

For the attention of: Owain Gwilym

Contract Title: Manchester Road, Linthwaite

Date Received: 12/2/2021
Date Commenced: 12/2/2021
Date Completed: 02/03/2021

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins (Director)	R Berriman (Quality Manager)	S Royle (Laboratory Manager) Redacted
L Knight (Senior Technician)	S Eyre (Senior Technician)	T Watkins (Senior Technician)

5 – 7 Hexthorpe Road, Hexthorpe,
Doncaster DN4 0AR
tel: +44 (0)844 815 6641
fax: +44 (0)844 815 6642
e-mail: awatkins@prosoils.co.uk
rberriman@prosoils.co.uk

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP1			0.80	1.00	Brown gravelly very sandy CLAY
TP2			2.90	3.00	Brown slightly gravelly slightly sandy clayey SLIT
TP8			2.80	3.00	Brown gravelly sandy CLAY

SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m^3 Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
TP1			0.80	1.00	14			30	16	14	87	Low Plasticity CL
TP2			2.90	3.00	34			54	33	21	92	High Plasticity MH
TP8			2.80	3.00	22			43	21	22	84	Intermediate Plasticity CI

SYMBOLS : **NP : Non Plastic** *** : Liquid Limit and Plastic Limit Wet Sieved.**

UKAS TESTING 4043

PSL Professional Soils Laboratory

Manchester Road, Linthwaite

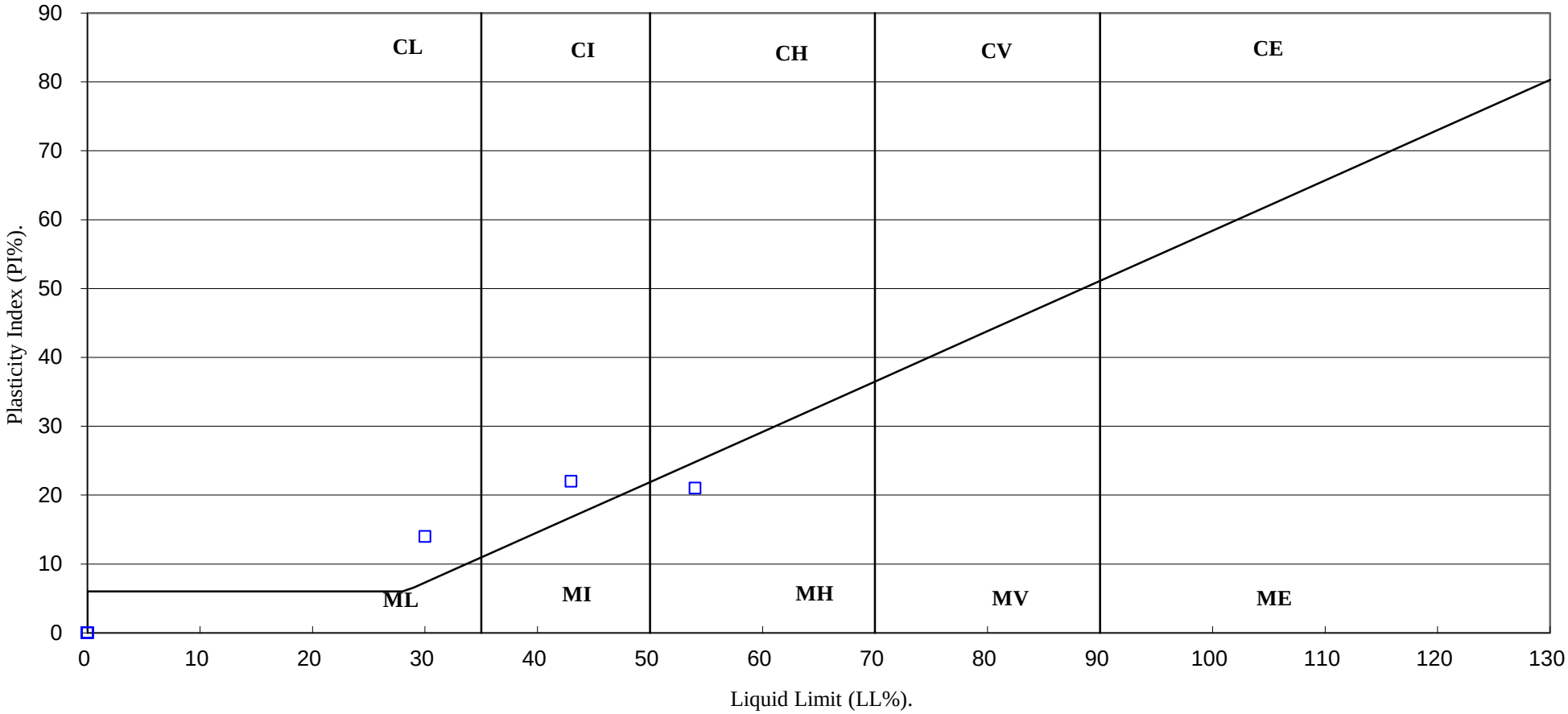
Contract No:

PSL21/1264

Client Ref:

HIG-01

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



UKAS TESTING 4043	PSL Professional Soils Laboratory	Manchester Road, Linthwaite	Contract No: PSL21/1264
			Client Ref: HIG-01

2531

ANALYTICAL TEST REPORT

Contract no: 93716

Contract name: Manchester Road, Linthwaite

Client reference: PSL21/1264

Clients name: Professional Soils Laboratory

Clients address: 5/7 Hexthorpe Road
Doncaster
DN4 0AR

Samples received: 23 February 2021

Analysis started: 23 February 2021

Analysis completed: 01 March 2021

Report issued: 01 March 2021

Notes:
Opinions and interpretations expressed herein are outside the UKAS accreditation scope.
Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.
All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.
Methods, procedures and performance data are available on request.
Results reported herein relate only to the material supplied to the laboratory.
This report shall not be reproduced except in full, without prior written approval.
Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key:
U UKAS accredited test
M MCERTS & UKAS accredited test
$ Test carried out by an approved subcontractor
I/S Insufficient sample to carry out test
N/S Sample not suitable for testing

Redacted

Approved by:

Rachael Burton
Customer Support Squad Leader

Chemtech Environmental Limited

SOILS

Lab number			93716-1	93716-2	93716-3	93716-4
Sample id			TP1	TP2	TP13	TP8
Depth (m)			0.80-1.00	2.90-3.00	1.30	2.80-3.00
Date sampled			22/02/2021	22/02/2021	22/02/2021	22/02/2021
Test	**Method**	**Units**				
pH	CE004 [U]	units	6.3	4.6	5.2	6.9
Sulphate (2:1 water soluble)	CE061	mg/l SO_4	73	85	128	216

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE004	pH	Based on BS 1377, pH Meter	As received	U	-	units
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		10	mg/l SO_4

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments
Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
93716-1	TP1	0.80-1.00	N	
93716-2	TP2	2.90-3.00	N	
93716-3	TP8	2.80-3.00	N	
93716-4	TP13	1.30	N	

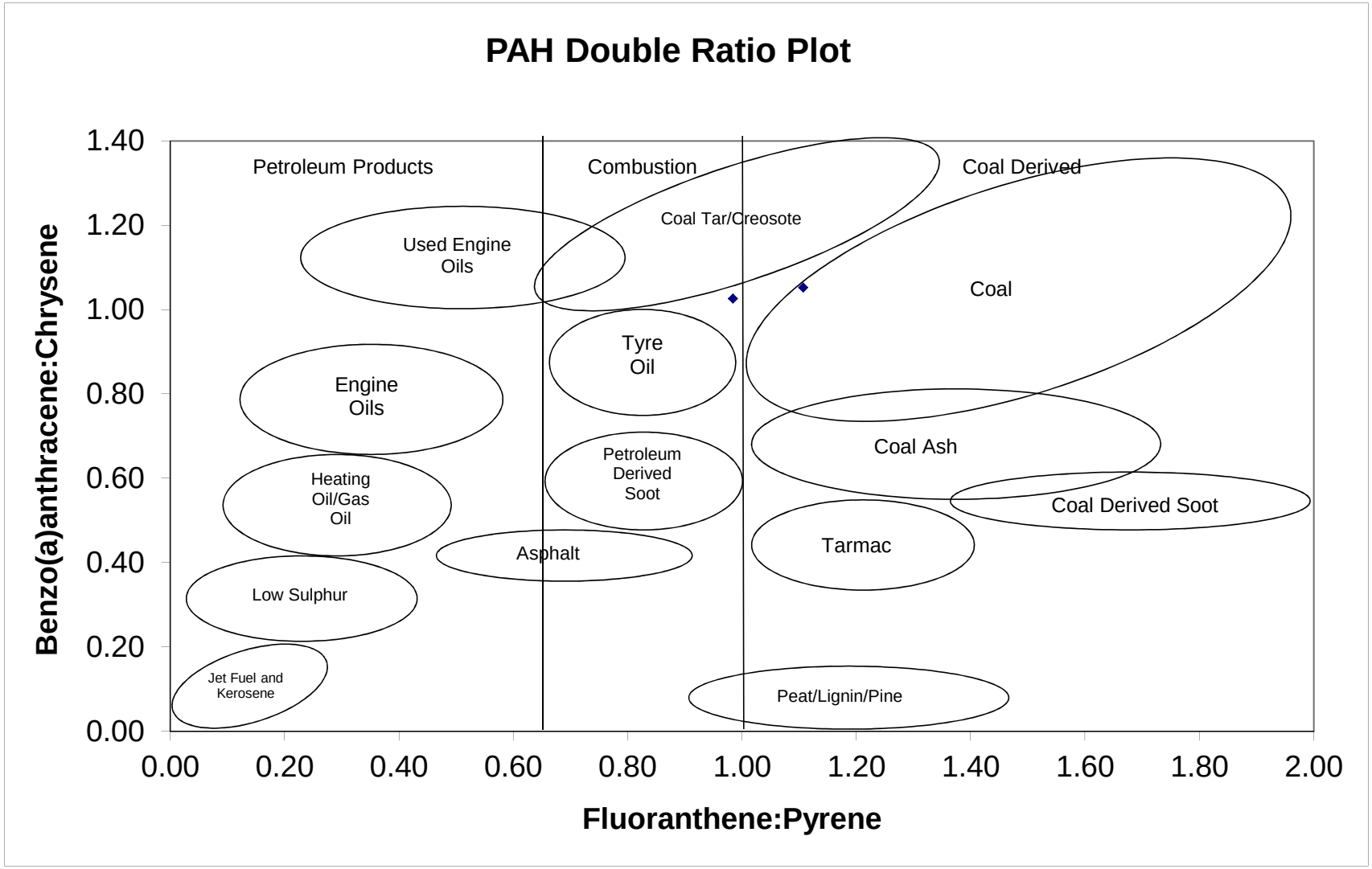
ARP GEOTECHNICAL LIMITED

PAH DOUBLE PLOT RATIOS TO DETERMINE PAH ORIGINS

Material:

Site: **Job No:**

Sample	Fluoranthene	Pyrene	Ratio Fl:Py	BAP Conc.	Benzo(a) anthracene	Chysene	Ratio B:Ch
TP2	61.0	62.0	**0.98**	36.0	39.0	38.0	**1.03**
TP11	62.0	56.0	**1.11**	17.0	20.0	19.0	**1.05**


PAH Double Ratio Plot
Benzo(a)anthracene:Chrysene
Fluoranthene:Pyrene
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
1.40
1.60
1.80
2.00
Petroleum Products
Combustion
Coal Derived
Coal Tar/Creosote
Used Engine Oils
Coal
Tyre Oil
Engine Oils
Coal Ash
Petroleum Derived Soot
Heating Oil/Gas Oil
Coal Derived Soot
Asphalt
Tarmac
Low Sulphur
Jet Fuel and Kerosene
Peat/Lignin/Pine

APPENDIX K

CONTAMINATION REMEDIATION STATEMENT

CONTAMINATION

REMEDIATION STATEMENT

FOR

FORMER HOYLE ING DYE WORKS
MANCHESTER ROAD
LINTHWAITE

ON BEHALF OF

HIGHSTONE BUILDING SERVICES LTD

AND

REDWATERS DEVELOPMENTS

ARP GEOTECHNICAL LTD

CHARTERED CONSULTING ENGINEERS

Northwest House 5/6 Northwest Business Park Servia Hill Leeds LS6 2QH

☎ 0113 245 8498 ✉ leeds@arpgeotechnical.co.uk 🌐 www.arpconsultingengineers.co.uk

CLIENT:	HIGHSTONE BUILDING SERVICES LTD AND REDWATERS YORKSHIRE LTD
JOB NUMBER:	HIG/01
PROJECT:	FORMER HOYLE ING DYE WORKS, MANCHESTER ROAD, LINTHWAITE
REPORT TYPE:	CONTAMINATION REMEDIATION STATEMENT
REPORT REFERENCE:	HIG/01rem

	Name	**Signature**
Prepared By:	O Gwilym BSc MSc FGS	Redacted
Authorised By:	J Race BSc CGeol FGS EurGeol	Redacted

ISSUE	**DATE**	**STATUS**
1	12th MARCH 2021	V1 FINAL

1.0 Introduction

1.1 This document has been prepared to provide information for the Client and other interested parties, such as the Regulatory Authorities, outlining how contamination encountered on the site will be managed to ensure that the site is environmentally suitable for the intended residential use. The document should be agreed, prior to implementation, with the relevant Regulatory Authorities, usually the local Planning Authority and NHBC or other building control provider.

2.0 The Site

2.1 The ARP Geotechnical Ltd Stage 2 Geo-environmental Report, dated March 2021 under reference HIG/01r1, makes an assessment of contamination, along with other aspects.

2.2 The conceptual site model is for a mixed residential development, including private gardens and landscaping.

2.3 At the time of the investigation, the site could be split into two distinct areas due to the significant level differences present across the site. Area A, the northwestern two thirds, comprised rough ground with two dilapidated buildings and a 160m high chimney. Area B, the southeastern third of the site, comprised rough ground with dense vegetation.

2.4 Area A slopes gently from southeast to northwest. Area B is between 4m and 6m higher than Area A, with the difference in level accommodated by an approximately 6m high sandstone retaining wall along the northeastern third of the division and a brick retaining wall of approximately 4m height along the southwestern two thirds. The existing buildings in Area A also form part of the retaining wall. The northeastern end of Area B is generally level. The southwestern end of Area B is split across two levels, with a second brick retaining wall of approximately 3m high present, parallel with the lower brick retaining wall

2.5 The geological maps show the site to be underlain by sandstone of the Midgley Grit Formation, with no superficial deposits. The maps indicate a northwest southeast trending fault across the southern tip of the main site.

2.6 The site is considered stable with regard to coal mining.

2.7 The bedrock strata beneath the site are classed as a 'Secondary A' aquifer. There are no sensitive groundwater abstractions within 500m of the site.

2.8 The nearest downslope surface water is the River Colne, 36m northwest of the site. However, there are no sensitive surface water abstractions within 500m of the site. The site is not at risk from river flooding. The risks of flooding from other causes such as adverse topography or insufficient surface water drainage, are not considered here, and a separate specialist Flood Risk and Drainage Report should be commissioned if such risk needs to be quantified.

2.9 No radon protective measures are required for properties constructed on the site.

2.10 There are no landfills indicated to be present within 250m of the site, but historical maps indicate that a quarry, which extended to within 100m of the southwestern end of the site, was briefly used as a tip. However, as the former quarry is at a significantly higher elevation than the site, the risk of ground gas migrating 100m laterally and down a minimum 22m drop in level, through sandstones without any cap of drift deposits, is considered to be negligible. Therefore, the site is not considered to be at risk from gas generation associated with the potentially infilled quarry. This is subject to regulatory agreement.

2.11 Ordnance Survey archive maps show that a dye works with a tank and a chimney occupied most of the site from the 1890s, with a club and several other buildings in Area B. The majority of the buildings were demolished by 2016. There will be the legacy of buried structures, foundations, services, and possibly basements, from the existing and previous development.

2.12 In Area A (average elevation of 130.5m AOD), the ground investigation revealed granular made ground from the surface to generally less than 1m depth, but up to a depth of 3m (127.5m AOD) in TP4. Sporadically, the made ground was only between 0.05m and 0.25m thick and comprised topsoil. The made ground in TP4 included many whole bricks, metal, concrete etc., and a brick wall was visible in the southwestern face. This is likely to be an infilled basement associated with the buildings which covered the whole footprint of the site. A 0.2m thick reinforced concrete slab was present within the main building (TP2), a concrete slab was also encountered at TP13, at between 0.4m and 0.7m depth and in TP12 at between 0.1m and 0.4m depth. In Area B, which is between approximately 4m and 6m higher than Area A, the ground investigation revealed granular made ground from the surface to depths of between 0.2m (136.1mAOD) and 1.8m depth (135.1mAOD).

2.13 In Area A, the made ground was underlain by natural granular and cohesive residual soils to depths of between 0.1m (130.80mAOD) and 3.0m depth (127.8mAOD), below which intact sandstone bedrock was present. Intact bedrock was encountered at less than 0.3m depth in TP5 and TP6. In Area B, the made ground was underlain by natural cohesive and granular soils to between 1.7m (130.4mAOD) and 3.9m depth (133.10mAOD). In TP8 the cohesive residual soil was soft down to 2.5m depth (134.4mAOD) and was noted as being wet. TP8 terminated at 3.9m depth (133mAOD) on hard strata interpreted to be sandstone bedrock. Intact bedrock was encountered at 0.2m depth in TP9.

2.14 Visual or olfactory signs of contamination were identified at two locations during the site investigation. In TP2, located within the larger building in Area A, a tarry residue with a slight odour was detected directly beneath the floor slab. In TP8, located at a higher level within Area B, ashy material was identified within the made ground.

2.15 Testing on the topsoil made ground identified elevated lead, with a maximum concentration of 300mg/kg, and fibres of chrysotile asbestos. The made ground was found to contain elevated concentrations of BaP, Naphthalene and lead, at maximum

concentrations of 36mg/kg, 52mg/kg and 520mg/kg respectively. Localised chrysotile asbestos fibres were also identified within the made ground in Area B. The volume of asbestos was found to be between <0.001% and 0.002%. Leachability was found to be negligible.

3.0 Remediation Strategy

3.1 An asbestos survey should be carried out prior to any works on, or demolition of, the existing buildings on the site, and any identified asbestos should be removed and disposed to a licenced facility. Any visible asbestos cement fragments should be hand-picked from the surface of the site, and following any alteration of site levels, by suitably qualified operatives, and disposed to a licenced landfill. It should be noted that any soils subsequently being taken off-site containing visible asbestos fragments will be classed as hazardous waste.

3.2 Only minimal topsoil is present on the site and, where present, all the existing topsoil should be removed from the site. The receiving tip may require Waste Acceptance Criteria testing. Independent validation inspection will be required, to verify removal of all the affected topsoil. The disposal/transfer documents should be retained for inclusion in the Validation Report.

3.3 Where any garden or landscape areas overlie the existing made ground, a minimum 0.6m thickness of uncontaminated soils (topsoil and subsoil) should be provided. As chrysotile fibres have been identified, it is recommended that the cover blanket be underlain by a minimum 0.1m thick hard break layer of coarse stone, or a robust geotextile. In areas of hardstanding or building footprints, the cover blanket is not required. Made ground can be moved to other areas of the site in order to suit proposed levels and achieve the required cover.

3.4 Made ground from TP2 and TP11 should be excluded from footprints. However, additional testing at/around these locations (TP2 following demolition of the building and removal of floor slab) could, if the general concentrations are sufficiently low, allow the exclusion measures to be waived, or at least confirm the extent of the naphthalene contamination.

3.5 Any imported soils used within the cover blanket will need to be verified as suitable by inspection and testing, in accordance with guidance supplied in the document produced by the Yorkshire and Lincolnshire Pollution Advisory Group (YALPAG): "Guidance on the Verification Requirements for Cover Systems".

3.6 The cover blanket for garden/landscape areas must be clean and uncontaminated. Details of the profile are provided below.

Thickness (m)	Description
Minimum 0.1	Topsoil
Minimum 0.5	Subsoil
Minimum 0.1	Hard break (uncontaminated crushed stone, brick or concrete) **OR** robust geotextile barrier

3.7 Alternatively, all or some of the made ground may be removed off site and taken to a suitably licensed landfill. Any soils with any visible asbestos fragments will be classed as hazardous waste. The waste receiver may require Waste Acceptance Criteria Testing (WAC).

4.0 Validation

4.1 To satisfy the Regulatory Authorities, verification that the above measures have been successfully implemented needs to be independently confirmed, in accordance with the guidance supplied in the document produced by the Yorkshire and Lincolnshire Pollution Advisory Group (YALPAG): "Guidance on the Verification Requirements for Cover Systems". The measures described below will be required to ensure compliance with the document.

4.2 Immediately following removal of the topsoil, the surface of the site should be inspected to confirm successful removal. As the underlying made ground or natural material is clearly identifiable from the topsoil, sampling and testing is not considered necessary. Photographs will be taken for inclusion in the validation report, to support discharge of planning conditions. Disposal documentation shall also be retained for inclusion in the validation report.

4.3 If the option to remove the made ground entirely from a particular garden/landscape area is taken, then following the removal, the area should be inspected by the Engineer, and the area photographed. As the underlying natural material is clearly identifiable from the made ground, sampling and testing is not considered necessary, unless there is doubt as to whether or not the made ground has been cleanly removed. All the details will be included within a Validation Letter Report. If the material has been taken off site, any disposal/transfer documents should be retained for inclusion in the Validation Report.

4.4 Where the option of placement of cover soils has been taken for a particular garden/landscape area has been taken, it will be necessary to confirm the required 0.6m cover of uncontaminated soil and hard break/geotextile has been placed by excavating trial pits to 0.6m depth across these areas on the basis of one pit per plot and pits on a maximum 25m spacing on public open space. The trial pits will be photographed, to include a reference scale, and the photographs included within any report to enable the location on site to be identified.

5.0 Laboratory Testing

5.1 For any imported subsoil and topsoil used, or any site-won uncontaminated subsoil arisings to be re-used within the upper 0.6m of gardens/landscaping on the site, the source will need to be confirmed, and the material tested for the attached suite of contaminants, to comply with the maximum screening values listed. The frequency of testing is given on the table below. Any samples already tested in the site investigation carried out to date can be considered part of the overall total required.

Material Type	**Number of Samples**
Topsoil or subsoil from greenfield site or manufactured source	Minimum 3No. or 1 per 250m^3 (whichever is greater)
Topsoil or subsoil from brownfield site or screened source	Minimum 6No. or 1 per 100m^3 (whichever is greater)

5.2 The material should be placed in quarantined stockpiles prior to sampling and once a stockpile has been approved by the Engineer, no further material should be added to the stockpile, and any further import should be stockpiled separately. Any cross contamination of materials should be avoided, and further testing carried out where any cross contamination is suspected to have occurred.

5.3 If space is insufficient on the site to store quarantined stockpiles, topsoil/subsoil can be placed directly into the appropriate landscape areas, but samples of each material would need to be tested by taking samples from the validation trial pits.

5.4 The results of all the laboratory analysis, excavation logs, plans, photographs, and import documents will form part of the Remediation Validation Report.

5.5 In order to assist with progress of the scheme, interim Validation Reports may be prepared for specific areas, if required, showing how the contamination has been dealt with. On completion of the development, the discharge of any associated planning condition may be achieved by submission of all the interim validation letters, or issuing the information as a single combined Validation Report.

5.6 It is the responsibility of the supplier to ensure that imported topsoils are 'suitable for their intended purpose', as specified in BS 3882:2007. This relates to texture and nutrient/horticultural properties and does not form part of the contamination validation considerations of this Remediation Statement.

6.0 Unexpected Contamination

6.1 Any unexpected contamination uncovered during the works shall be inspected, sampled and analysed in laboratory for the suite of determinands appended to this Remediation Statement, and compared to the maximum concentration levels listed on the enclosure. Works on the affected materials shall cease until the appraisal is complete and, if

necessary, a revised Remediation Statement is to be prepared and approved by the Planning Authority before work is recommenced.

7.0 Protection of Workers and the Public During Development Works

7.1 As chrysotile asbestos was found to be present in the made ground, damping down of the contaminated made ground must be implemented during dry periods, and timely placement of the contaminated material below barriers.

7.2 Washing facilities and a clean mess room from which work boots and overalls are excluded should be provided.

7.3 Site fencing will be provided to exclude access to members of the public, and contaminated material will be contained within the site boundary, and placed below barriers as soon as possible.

7.4 Workers will be educated to use adequate hygiene and PPE.

7.5 Movement of contamination off site on vehicle wheels shall be minimised by cleaning of vehicle wheels and/or use of road sweeper, as required.

7.6 Where service trenches pass through made ground, future maintenance workers could then be exposed to contamination within the made ground. This can be addressed by ensuring service trenches are backfilled with uncontaminated material.

ARP GEOTECHNICAL LIMITED
SOIL CONTAMINANT SCREENING VALUES
RESIDENTIAL WITHOUT HOME-GROWN PRODUCE

Determinand	S4UL (mg/kg)			C4SL (mg/kg)		
Arsenic	40			40		
Cadmium	85			150		
Chromium (trivalent)	910					
Chromium (hexavalent)	6			21		
Copper	7100					
Lead				310		
Inorganic Mercury	56					
Nickel	180					
Selenium	430					
Zinc	40000					
Acidity (pH)	*Should be Greater Than 5			*Should be Greater Than 5		
	1% SOM	**2.5% SOM**	**6% SOM**	**1% SOM**	**2.5% SOM**	**6% SOM**
Naphthalene	2.3	5.6	13			
Acenaphthylene	2900	4600	6000			
Acenaphthene	3000	4700	6000			
Fluorene	2800	3800	4500			
Phenanthrene	1300	1500	1500			
Anthracene	31000	35000	37000			
Fluoranthene	1500	1600	1600			
Pyrene	3700	3800	3800			
Benzo(a)anthracene	11	14	15			
Chrysene	30	31	32			
Benzo(b)fluoranthene	3.9	4	4			
Benzo(k)fluoranthene	110	110	110			
Benzo(a)pyrene	3.2	3.2	3.2			5.3
Indeno(1,2,3-cd)pyrene	45	46	46			
Dibenzo(a,h)anthracene	0.31	0.32	0.32			
Benzo(g,h,I)perylene	360	360	360			
Phenols	440	690	1200			
Total TPH	*Above 500, speciate and compare with values below:					
C5 to C6 Aliphatic	42	78	160			
C6 to C8 Aliphatic	100	230	530			
C8 to C10 Aliphatic	27	65	150			
C10 to C12 Aliphatic	130	330	770			
C12 to C16 Aliphatic	1100	2400	4400			
C16 to C35 Aliphatic	65000	92000	110000			
C35 TO C44 Aliphatic	65000	92000	110000			
C5 to C7 Aromatic (Benzene)	370	690	1400			
C7 to C8 Aromatic (Toluene)	860	1800	3900			
C8 to C10 Aromatic	47	110	270			
C10 to C12 Aromatic	250	590	1200			
C12 to C16 Aromatic	1800	2300	2500			
C16 to C21 Aromatic	1900	1900	1900			
C21 TO C35 Aromatic	1900	1900	1900			
C35 TO C44 Aromatic	1900	1900	1900			
Asbestos	*Should be None Detected			*Should be None Detected		

* In House Value/Approach S4UL = Suitable 4 Use Level, CIEH/LQM 2014 C4SL = Cat 4 Screening Level, DEFRA, 2014

Blank cell indicates no published value or in-house value. Some values presented are above saturation limits.

A R P G E O T E C H N I C A L L I M I T E D
SOIL CONTAMINANT SCREENING VALUES
RESIDENTIAL WITH HOME-GROWN PRODUCE

Determinand	S4UL (mg/kg)			C4SL (mg/kg)		
Arsenic	37			37		
Cadmium	11			22		
Chromium (trivalent)	910					
Chromium (hexavalent)	6			21		
Copper	2400					
Lead				200		
Inorganic Mercury	40					
Nickel	180					
Selenium	250					
Zinc	3700					
Acidity (pH)	*Should be Greater Than 5			*Should be Greater Than 5		
	1% SOM	**2.5% SOM**	**6% SOM**	**1% SOM**	**2.5% SOM**	**6% SOM**
Naphthalene	2.3	5.6	13			
Acenaphthylene	170	420	920			
Acenaphthene	210	510	1,100			
Fluorene	170	400	860			
Phenanthrene	95	220	440			
Anthracene	2,400	5,400	11,000			
Fluoranthene	280	560	890			
Pyrene	620	1,200	2,000			
Benzo(a)anthracene	7.2	11	13			
Chrysene	15	22	27			
Benzo(b)fluoranthene	2.6	3.3	3.7			
Benzo(k)fluoranthene	77	93	100			
Benzo(a)pyrene	2.2	2.7	3			5
Indeno(1,2,3-cd)pyrene	27	36	41			
Dibenzo(a,h)anthracene	0.24	0.28	0.30			
Benzo(g,h,I)perylene	320	340	350			
Phenols	120	200	380			
Total TPH	*Above 500, speciate and compare with values below:					
C5 to C6 Aliphatic	42	78	160			
C6 to C8 Aliphatic	100	230	530			
C8 to C10 Aliphatic	27	65	150			
C10 to C12 Aliphatic	130	330	760			
C12 to C16 Aliphatic	1100	2,400	4,300			
C16 to C35 Aliphatic	65,000	92,000	110,000			
C35 TO C44 Aliphatic	65,000	92,000	110,000			
C5 to C7 Aromatic (Benzene)	70	140	300			
C7 to C8 Aromatic (Toluene)	130	290	660			
C8 to C10 Aromatic	34	83	190			
C10 to C12 Aromatic	74	180	380			
C12 to C16 Aromatic	140	330	660			
C16 to C21 Aromatic	260	540	930			
C21 TO C35 Aromatic	1100	1,500	1,700			
C35 TO C44 Aromatic	1100	1,500	1,700			
Asbestos	*Should be None Detected			*Should be None Detected		

* In House Value/Approach S4UL = Suitable 4 Use Level, CIEH/LQM 2014 C4SL = Cat 4 Screening Level, DEFRA, 2014

Blank cell indicates no published value or in-house value. Some values presented are above saturation limits.