

**SITE CONDITION REPORT FOR Smurfit Westrock
UK Ltd - Duddeston Mill Road, Saltley,
Birmingham, B8 1AB
(EPR/UP3125LS/P001)**

1.0 SITE DETAILS

| | |
|-------------------------|--|
| Name of the applicant | Smurfit Westrock UK Ltd |
| Activity address | Smurfit Westrock UK Ltd - Duddeston Mill Road, Saltley, Birmingham, B8 1AB |
| National grid reference | SP 09438 87915 |

| | |
|---|----|
| Document reference and dates for Site Condition Report at permit application and surrender. | V1 |
|---|----|

| | |
|--|--|
| Document references for site plans (including location and boundaries) | Proposed Permitted Area within application documents |
|--|--|

Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.*
- Locations of receptors, sources of emissions/releases, and monitoring points.*
- Site drainage.*
- Site surfacing.*

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

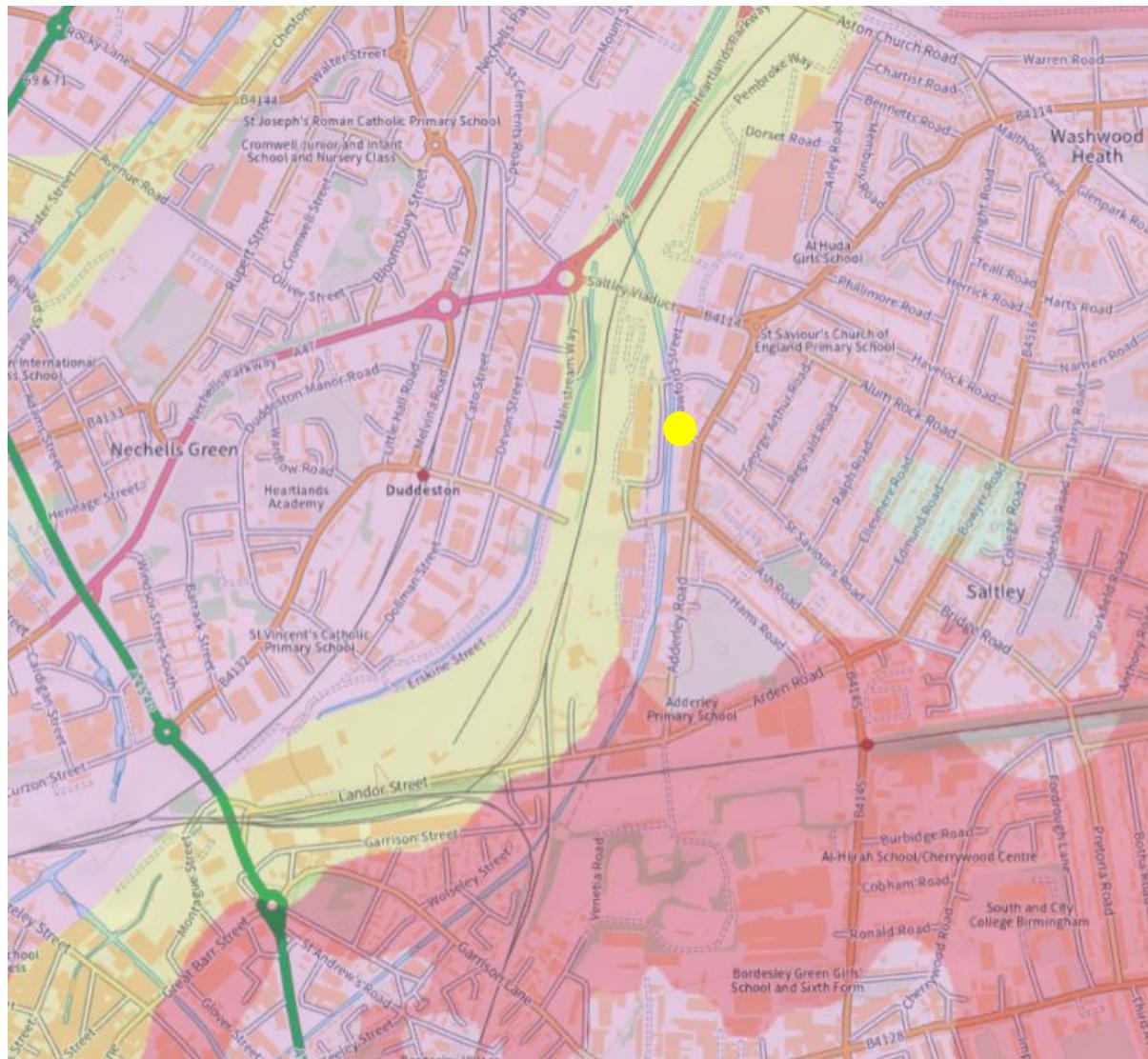
| <h2>2.0 Condition of the land at permit issue</h2> | |
|---|---|
| Environmental setting including: | Smurfit Westrock UK Ltd - Duddeston Mill Road, Saltley, Birmingham, B8 1AB |
| <ul style="list-style-type: none"> • geology • hydrogeology • surface waters | |
| <p>Pollution history including:</p> <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures | <p>Pollution incidents that may have affected land – No known from previous history</p> <p>historical land-uses and associated contaminants – the site has been used as a general industrial site with mixed uses.</p> <p>No visual evidence of pollution on the floor.</p> |
| Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available) | No evidence has been provided to the client from the landlords of the property |
| Baseline soil and groundwater reference data | Not available |
| Supporting information | <ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data |

Environmental setting including:

- **geology**
- **hydrogeology**
- **surface waters**

Geology

Sidmouth Mudstone Formation - Mudstone. Sedimentary bedrock formed between 250 and 228.4 million years ago during the Triassic period.

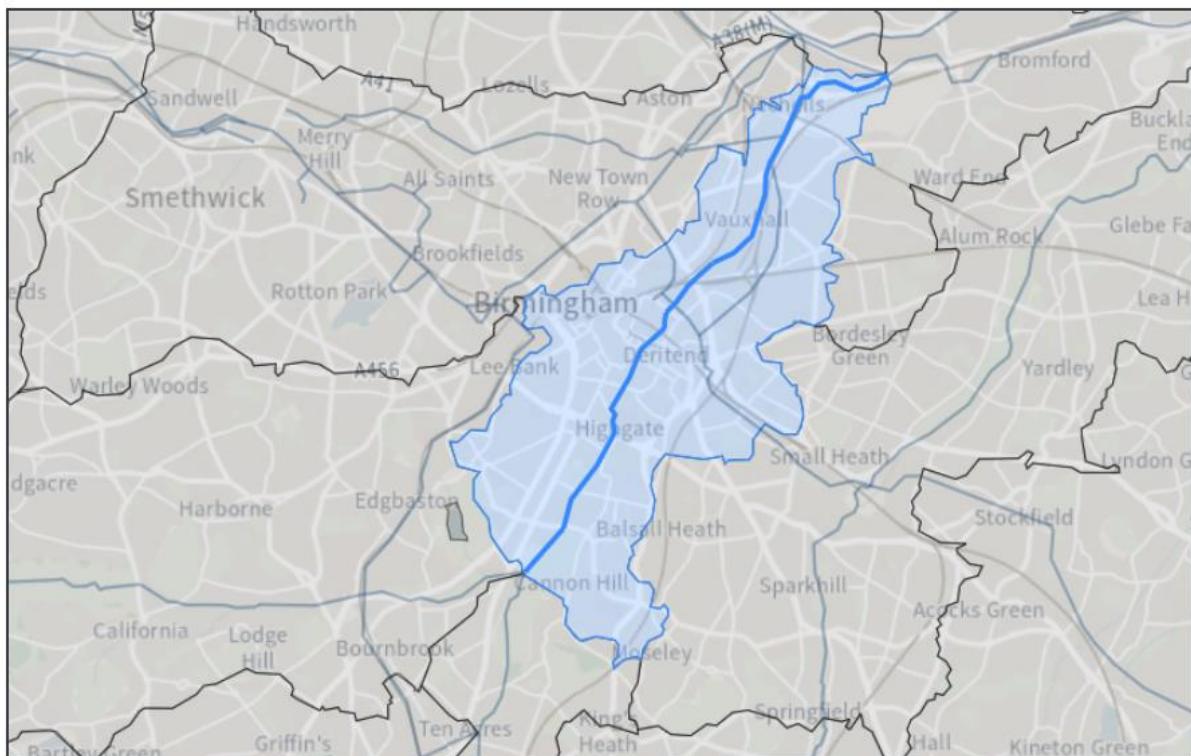


Surface Waters

River catchment taken from Environment Agency catchment Data Explorer

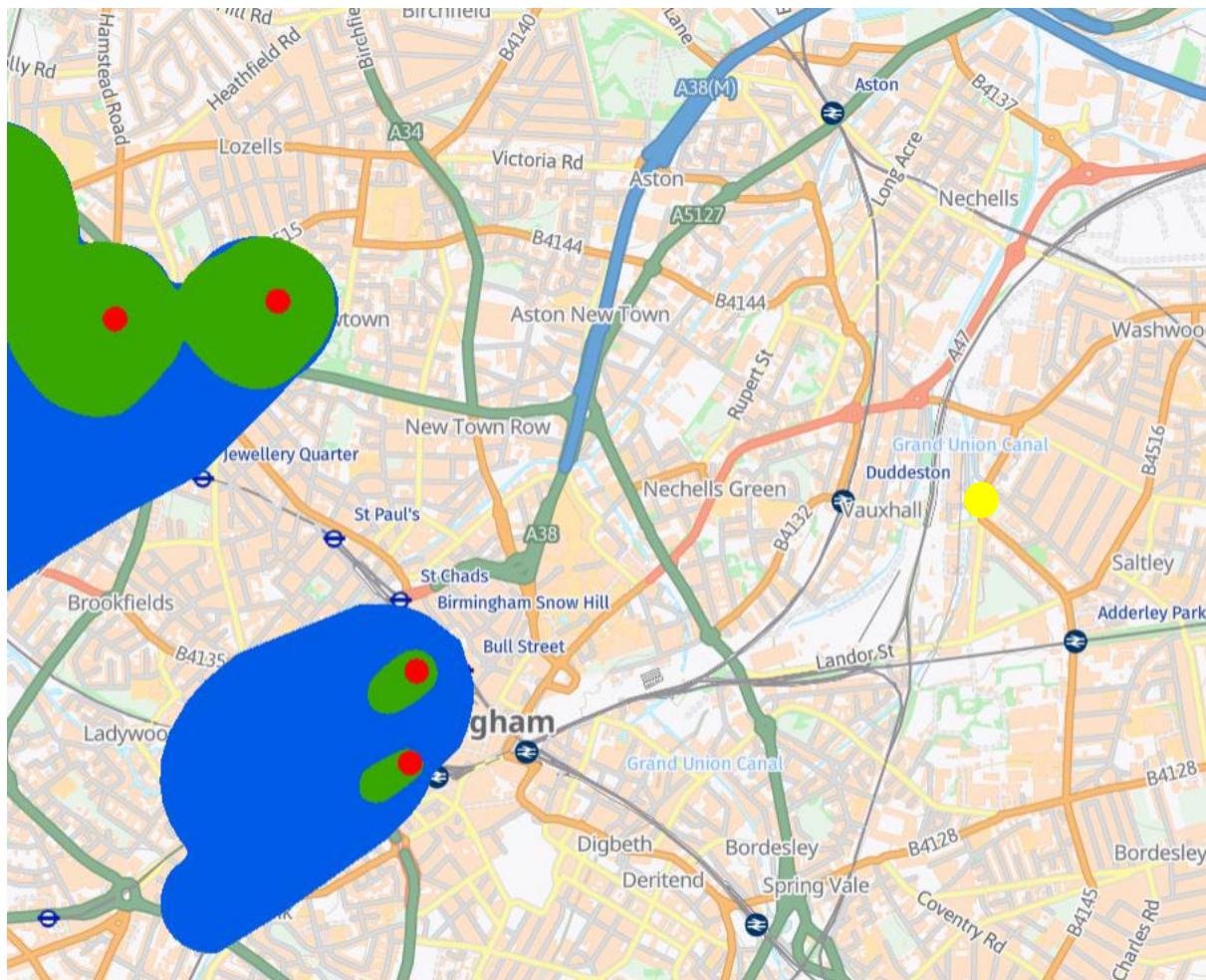
Site –

The site sits within the Rea from Bourn Brook to River Tame Water Body part of the wider River Tame and Anker catchment as shown by the Environment Agency Catchment tool.



Hydrology

The proposed site is not located within the total catchment source protection zone.



Records from the British Geological Society's (BGS) provided the following information taken from local vicinity –

British Geological Survey

BGS ID: 301688 : BGS Reference: SP08NE22
British National Grid (27700) : 409310,287760

RECORD of WELL DRILLING (22)

At [] Birmingham Fireworks, Dudleyton Hill Road
Town, Village, etc. Birmingham County Warwick Six-inch sheet 14 NW
Exact site (Indicate a location from a map if required, give distance and direction from parish church, crossroads, or other object shown on map)
Birmingham Town Plan No 10 Popular Edition
NGR SP 0927 8175 of one-inch map, 1/62500

Surface level of ground 310 ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.
Sink ft. diameter ft. Bored ft. diameter of boring: at top ft. at bottom ft.
Details of lining tubes (internal diameter preferred) 21' 9" of 15", top 11' 6" B.S.
26' of 12", top 22' B.S. 250' of 10", top 2' B.S.

Water struck at depth of (feet)
Rest-level of water below top of well or bore 32 ft. Pumping level 126 ft. Time of recovery hours.
Section at ft. depth. Yield: (i) on test 17,185 gall. per hour, (ii) normal gall. per.
Quality (Indicate type of analysis if available)

Made by G. Faber & Co for Mr. C. H. Corp Date of boring 1915.
Information from Treas

| (For Survey use only). GEOLOGICAL CLASSIFICATION. | NATURE OF STRATA. (and any additional remarks) | THICKNESS. | | DEPTH. | |
|---|---|------------|---------|--------|---------|
| | | Feet. | Inches. | Feet. | Inches. |
| Dol | 26' 6" <u>Glacial red marl</u> <u>100 ft. above Niveau Nod. Sp.</u> | 26 | | | |
| | Rock | 12 | | 98 | |
| | Hard rock | 71 | | 169 | |
| | Rock | 43 | | 212 | |
| | Hard rock | 42 | | 257 | |
| | Rock | 18 | | 272 | |
| | Hard rock | 25 | | 297 | |
| | Rock | 6 | | 303 | |
| | Hard rock | 30 | | 333 | |
| | Very hard rock | 2 | 6 | 335 | 6 |
| KS | Hard rock | 3 | 6 | 339 | |
| | Sandstone rock | 12 | | 351 | |
| | Very hard marl | 6 | | 357 | |
| | Hard sandstone | 3 | | 360 | |
| | Hard rock | 3 | | 363 | |
| | Hard sandstone rock | 24 | | 387 | |
| | Sandstone | 2 | | 389 | |
| | Conglomerate | 3 | | 392 | |
| | Hard sandstone | 8 | | 400 | |
| | Conglomerate | 15 | | 415 | |
| Hard red marl | 4 | | 419 | | |
| Sandstone | 10 | | 429 | | |
| Conglomerate | 8 | | 437 | | |
| Hard marl | 2 | 6 | 439 | 6 | |
| Conglomerate | 4 | | 443 | 6 | |
| Sandstone | 4 | 6 | 448 | | |
| Conglomerate | 7 | 9 | 455 | 9 | |
| Marl | 3 | | 458 | 9 | |
| Sandstone | 9 | | 467 | 9 | |
| Conglomerate | 8 | 3 | 476 | | |
| Sandstone | 34 | | 510 | | |
| Marl | 4 | | 514 | 3 | |
| Conglomerate | 9 | | 515 | | |
| Brown sandstone | 2 | | 517 | | |
| Red sandstone | 1 | | 518 | | |
| Marl | | | | | |

For Survey use only.

| | | | |
|---------------|--------|--------------------|-----------------------|
| Date received | G.S.M. | No. of H. notified | Site marked on 1" map |
| 3-2-39 | | | |

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British
Geological
Survey

BGS ID: 301688 : BGS Reference: SP08NE22
British National Grid (27700) : 409310,287760

RECORD of WELL DRILLING

At. Name or bore. Birmingham Gasworks, Duddleston Hill Road SPOT 12
Town, Village, &c. Edgbaston, Birmingham County Warwick Six-inch map 10 NW
Exact site (John A. Boring from a map is
supplied, give distance and direction from points
shown, roads, etc., or other objects shown on map).
N.G.R. SP 0921 8115 Popular Edition
of 69 one-inch map. Sheet 10

Surface level of ground 310 ft. above Ordnance Datum. Well or Bore commenced at 310 ft. below surface level of ground.

Sunk 310 ft. diameter 12" Bored 12" ft. diameter of boring: at top 12" in., at bottom 12" in.

Details of boring tubes (internal diameter preferred) 21' 9" of 15", Gp H' 6" B.S.
26' of 12", Gp 32' B.S. 250' of 16", Gp 2' B.S.

Water struck at depth of (feet)

Rest-level of water 32 ft. Pumping level 126 ft. Time of recovery 1 hours.

Bottom 17185 ft. depth. Yield: (i) on test 17185 galls. per hour, (ii) normal 17185 galls. per

Quality black (or black & white)

Made by C. J. Fox & Co for Bham Corp Date of boring 1915

Information from John

| (For Survey use only). GEOLOGICAL CLASSIFICATION. | NATURE OF STRATA. (and any additional remarks) | THICKNESS. | | DEPTH. | |
|---|---|------------|---------|--------|---------|
| | | Feet. | Inches. | Feet. | Inches. |
| Drift | 36 | 6 | | | |
| KM 3 | 6 | | | | |
| | Gleyey red marl } drift from Morris's old site | 86 | | | |
| | Rock | 12 | | 98 | |
| Shallow | Hard rock | 71 | | 169 | |
| Sub. Grav. | Rock | 43 | | 212 | |
| | Hard rock | 42 | | 254 | |
| | Rock | 18 | | 272 | |
| | Hard rock | 25 | | 297 | |
| | Rock | 6 | | 303 | |
| | Hard rock | 30 | | 333 | |
| KS | Very hard rock | 2 | 6 | 335 | 6 |
| | Hard rock | 3 | 6 | 339 | |
| | Sandstone rock | 12 | | 351 | |
| | Very hard marl | 6 | | 357 | |
| | Hard sandstone | 3 | | 360 | |
| | Hard rock | 3 | | 363 | |
| | Hard sandstone rock | 24 | | 387 | |
| | Sandstone | 2 | | 389 | |
| | Conglomerate | 3 | | 392 | |
| | Hard sandstone | 30 | | 400 | |
| | Conglomerate | 15 | | 415 | |
| | Hard red marl | 4 | | 419 | |
| | Sandstone | 10 | | 429 | |
| | Conglomerate | 8 | | 437 | |
| BS | Hard marl | 2 | 6 | 439 | 6 |
| | Conglomerate | 4 | | 443 | |
| 213 | Sandstone | 4 | 6 | 448 | |
| | Conglomerate | 7 | 9 | 455 | 9 |
| | Marl | 3 | | 458 | 9 |
| | Sandstone | 9 | | 467 | 9 |
| | Conglomerate | 8 | 3 | 476 | |
| | Sandstone | 34 | | 510 | |
| | Marl | 3 | | 510 | 3 |
| | Conglomerate | 4 | | 514 | 3 |
| | Brown sandstone | 9 | | 515 | |
| | Red sandstone | 2 | | 517 | |
| | Marl | 1 | | 518 | |

GEOL. SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

For Survey use only.
Date received. G.S.M. M. or H. Site marked
3-2-99

(24288) 10 288303/99 5000 1120
M. J. K. & L. Ltd. Gp 618

Contact BGS: ngdc@bgs.ac.uk



RECORD of WELL or BORING (continued)

Birmingham Gasworks, Saltley

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH Inches |
|------------------------------|--|-----------|--------|-----------------|
| | | Feet. | Inches | |
| | forward | | | 69 |
| | Conglomerate | 2 | 520 | |
| | Sandstone | 15 | 535 | |
| | Hard Conglomerate & sand | 5 | 540 | |
| | Sandstone | 2 | 542 | |
| | Conglomerate | 1 | 543 | |
| | Sandstone | 16 | 559 | |
| | Sandstone with pebbles | 16 | 575 | |
| | Conglomerate | 8 | 583 | 6 |
| | Grey Sandstone | 1 | 584 | 6 |
| | Sandstone | 13 | 597 | 6 |
| | Conglomerate | 4 | 602 | |
| BS Contd. | | | | |
| P.P. D.H. Land 7/64 | | | | |
| Box 5-8 | Rock is absent in W.S. Waukegan, p. 16T; True yield is given as 30,000 g.p.t. | | | |
| | J.H.T. gives normal yield as 5,000 g.p.t.; actual 302' (1933). | | | |
| | Site marked on J.H.T.-S.C. Waukegan is very E. differs slightly from that shown on map. -large-scale plan. | | | |

Secondary (B) aquifer - Source Magic Map

The site is located within a Principal Aquifer.



Pollution history including:

The site has been registered as a paper and card recycling facility benefiting from waste exemptions.

Local Permitted Activities

There are a large number of permitted activities within a mile of the site.

| Name | Address | Site type | Permit Number | Distance (km) |
|----------------------------------|---|--|--------------------------|---------------|
| Tariq Khan | Crawford street, Birmingham, B8 1JL | SR2015 No 13: Metal Recycling Site (vehicle dismantler) | WE9082AB | 0.1 |
| Hussain Autos Spares Ltd | 38, Crawford Street, Saltley, Birmingham, West Midlands, B8 1JL | A19a: End of Life Vehicles <2500 tonne per year | NP3992FX | 0.1 |
| Mazhar Iqbal | 36 Saltley Auto Breakers, Crawford Street, Saltley, Birmingham, West Midlands, B8 1JL | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | TP3294VA | 0.1 |
| Shahdad Hussain | 32, Crawford Street, Saltley, Birmingham, West Midlands, B8 1JU | A19a: End of Life Vehicles <2500 tonne per year | ZP3592FH | 0.2 |
| HEARTLANDS AUTO SERVICES LIMITED | 180, Adderley Road, Saltley, Birmingham, West Midlands, B8 1EG | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | BB3706KN | 0.2 |
| John Goley | 2-10, Cranby Street, Saltley, Birmingham, West Midlands, B8 1JL | A19a: End of Life Vehicles <2500 tonne per year | JP3392FN | 0.2 |
| Depot Autos Limited | Yard 2, Adderley Road, Saltley, Birmingham, West Midlands, B8 1AN | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | BB3007TF | 0.2 |
| HEARTLANDS AUTO SERVICES LIMITED | 180, Adderley Road, Saltley, Birmingham, West Midlands, B8 1EG | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | BB3706KN | 0.2 |
| John Goley | 2-10, Cranby Street, Saltley, Birmingham, West Midlands, B8 1JL | A19a: End of Life Vehicles <2500 tonne per year | JP3392FN | 0.2 |
| Depot Autos Limited | Yard 2, Adderley Road, Saltley, Birmingham, West Midlands, B8 1AN | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | BB3007TF | 0.2 |
| HEARTLAND SPARES LIMITED | Yard 1, Adderley Road, Saltley, Birmingham, West Midlands, B8 1AN | A19a: End of Life Vehicles <2500 tonne per year | GB3108TD | 0.2 |
| GO WASTE (UK) LIMITED | 1, High Street, Saltley, Birmingham, West Midlands, B8 1JN | A11: Household, Commercial and Industrial Waste Transfer Station | DP3892FA | 0.3 |
| BK AUTO SPARES LIMITED | 20 Clayton Road, Birmingham, B8 1JE | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | KB3604HN | 0.4 |

| | | | | |
|----------------------------------|--|--|--------------------------|-----|
| MURPHY MIDLAND GROUP LIMITED | 60, Devon Street, Saltley, Birmingham, West Midlands, B7 4SL | SR2008 No 9: Hazardous Waste Transfer Station | FB3906XF | 0.5 |
| EUROPEAN METAL RECYCLING LIMITED | Unit 2-7, Duddeston Mill Road, Saltley, Birmingham, B8 1AP | A20: Metal Recycling Site (MRS) (mixed) | JB3509MS | 0.5 |
| ASTAR WASTE LIMITED | 64-70, Cato Street, Nechells, Birmingham, West Midlands, B7 4TS | A11: Household, Commercial and Industrial Waste Transfer Station | AB3908TX | 0.6 |
| ENVIRONMENTAL CONCERN LIMITED | Alma Crescent Facility, 52 Alma Crescent, Duddeston, Nechells, Birmingham, B7 4RH | A16a: Hazardous Waste Physical Treatment Facility | CP3796FQ | 0.6 |
| EUROPEAN METAL RECYCLING LIMITED | EMR Birmingham, CLAREL AVENUE, Nechells, BIRMINGHAM, B8 1AF | A20: Metal Recycling Site (MRS) (mixed) | CB3402ML | 0.6 |
| EUROPEAN METAL RECYCLING LIMITED | Landor Street Depot, Duddeston Mill Road, Nechells, Birmingham, B81AE | SR2008 No 21: Metal Recycling Site (MRS) (mixed) | CP3691EH | 0.6 |
| EUROPEAN METAL RECYCLING LIMITED | EMR Birmingham Depot, Duddeston Mill Road, Nechells, Birmingham, B8 1AE | SR2008 No 20: Metal Recycling Site (vehicle dismantler) | FP3299VN | 0.6 |
| EUROPEAN METAL RECYCLING LIMITED | E M R, Landor Street, Birmingham, West Midlands, B8 1AF | SR2008 No 21: Metal Recycling Site (MRS) (mixed) | UP3690VR | 0.7 |
| Heema Singh | Plot 5, Clarel Avenue, Nechells, Birmingham, West Midlands, B8 1AF | A19: Metal Recycling Site (vehicle dismantler) | AP3991FE | 0.7 |
| DSM DEMOLITION LIMITED | Arden House, Arden Road, Heartlands, Birmingham, West Midlands, B8 1DE | A09: Hazardous Waste Transfer Station | KP3692FY | 0.7 |
| CALL- A- SKIP (U. K.) LIMITED | Land At Plot 1 Clarel Avenue, Landor Street, Nechells, Birmingham, West Midlands, B8 1AE | A20: Metal Recycling Site (MRS) (mixed) | JB3603KN | 0.7 |
| Mumtaz Hussain | Elite Auto Salvage Spare & Breaker, Landor Street, Birmingham, West Midlands, B8 1AE | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | SP3491EJ | 0.7 |
| M Banaris | Unit 4, Clarel Avenue, Nechells, Birmingham, West Midlands, B8 1AF | A19: Metal Recycling Site (vehicle dismantler) | VP3191FD | 0.7 |
| Ajab Khan | 41a Seven Day Parts, Landor Street, Bordesley Green, Birmingham, West Midlands, B8 1AE | SR2011 No 3: Metal Recycling Site (vehicle dismantler) | AB3006HD | 0.7 |
| 3C CAR PARTS LIMITED | 56, St Clements Road, Birmingham, West Midlands, B7 5AF | SR2015 No 17: End of Life Vehicles <2500 tonne per year | GB3100MY | 0.8 |
| Colin Wilson | 133-145 Centro Waste, Nechells Place, Nechells, Birmingham, West Midlands, B7 5AG | A11: Household, Commercial and Industrial Waste Transfer Station | MP3392FW | 0.8 |
| ONE STOP RECYCLING LIMITED | 253, Bordesley Green Road, Birmingham, West Midlands, B8 1BY | A20: Metal Recycling Site (MRS) (mixed) | KB3332AP | 0.8 |
| GO WASTE (ENVIRONMENTAL) UK LTD | 15 DOLLMAN STREET, BIRMINGHAM, B7 4RP | SR2022 No 1: Non-hazardous waste physical treatment facility | WE4951AC | 0.8 |
| A W S RECYCLING LIMITED | 102-110, St Clements Road, Nechells, Birmingham, West Midlands, B7 5AF | SR2022 No 7: Materials Recycling Facility | HB3631RA | 0.8 |

| | | | | |
|---------------------------------------|---|---|--------------------------|-----|
| ZK Motorparts Ltd | Midland Street, Birmingham, B9 4DG | SR2015 No 17: End of Life Vehicles <2500 tonne per year | EB3505KF | 0.8 |
| ALLIED BAY LIMITED | 251, Bordesley Green Road, Bordesley Green, Birmingham, West Midlands, B8 1BY | A16: Non-hazardous waste physical treatment facility | SP3297FG | 0.8 |
| COUNTRYWIDE METALS LTD | 251 Bordesley Green Rd, Birmingham, West Midlands, B8 1BY | SR2015 No 3: Metal Recycling Site (MRS) (mixed) | WE5919AC | 0.9 |
| HAWKMET LIMITED | Riverside Works, Trevor Street, Nechells, Birmingham, West Midlands, B7 5RG | SR2008 No 21: Metal Recycling Site (MRS) (mixed) | VP3394EU | 1.0 |
| SHIELD ENVIRONMENTAL SERVICES LIMITED | 56, St Clements Road, Birmingham, West Midlands, B7 5AF | SR2008 No 9: Hazardous Waste Transfer Station | WE7261AB | 1.0 |

Any visual/olfactory evidence of existing contamination

The permitted area will be laid to concrete.

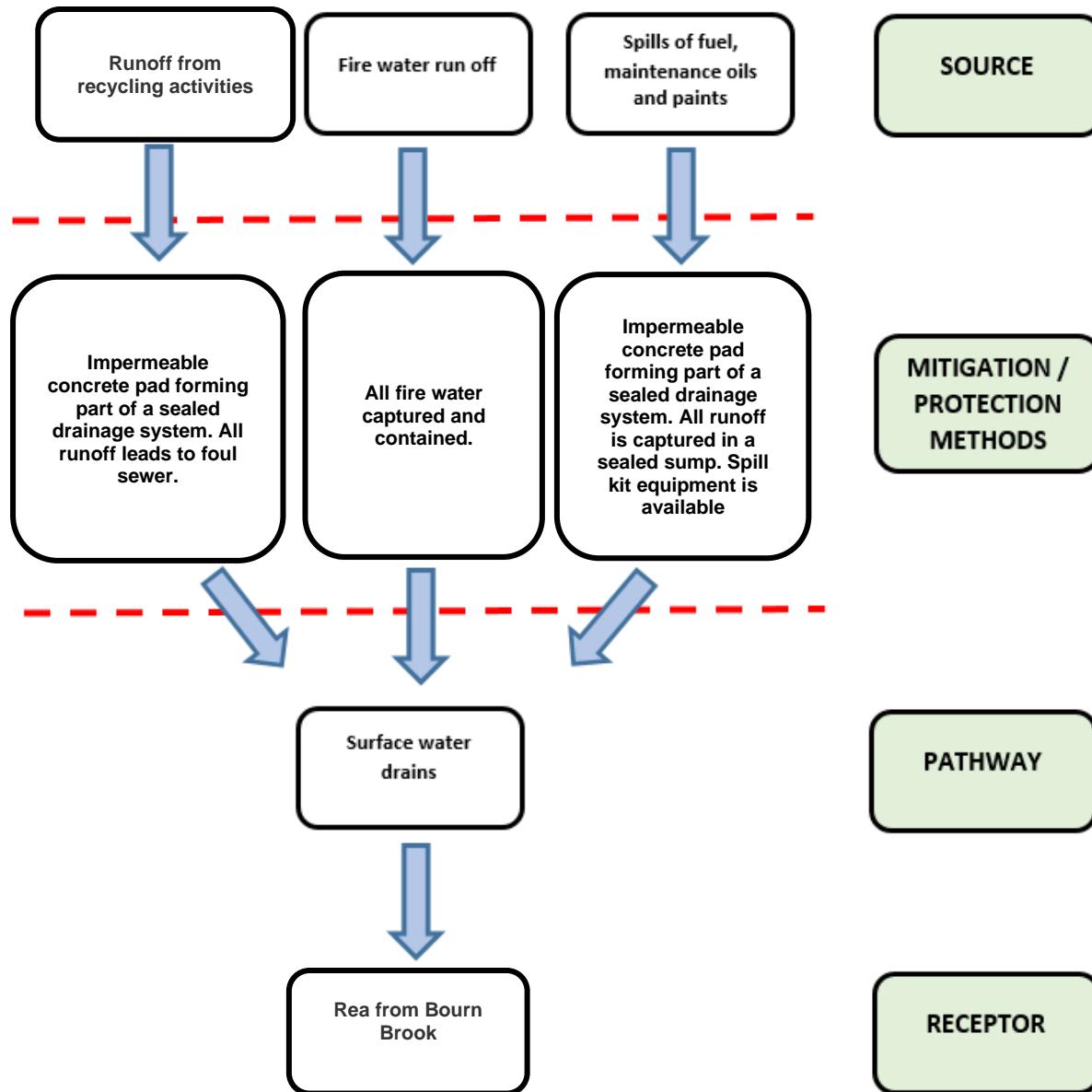
Evidence of damage to pollution prevention measures

There is currently no evidence of damage to pollution prevention measures.

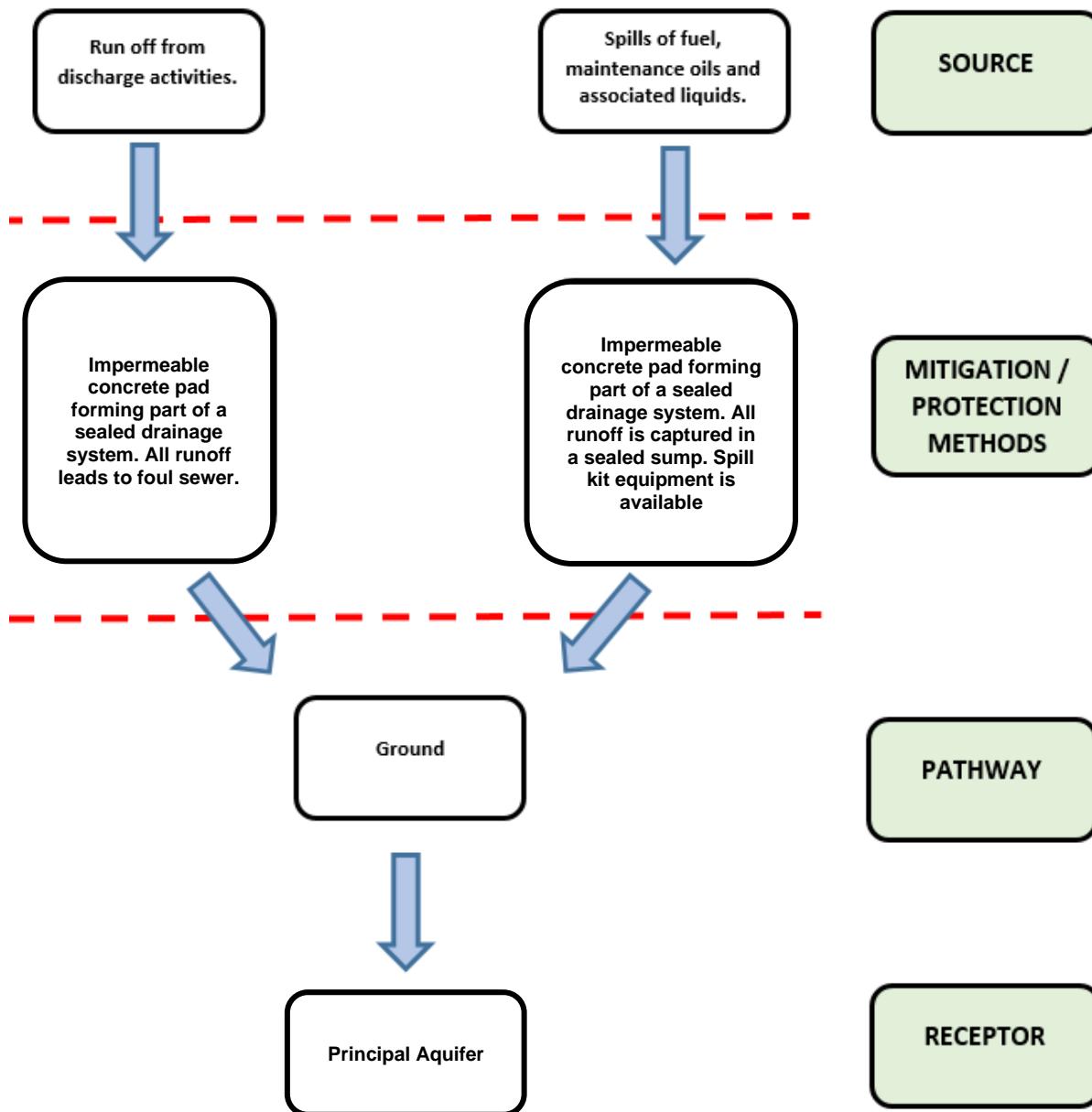
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)

The site has been used for recycling for a number of years. Prior to this it was a Canalside warehouse.

Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Surface Water – Rea from Bourn Brook



Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Ground Water – Principal Aquifer



Description of nearby surface water features/watercourses and the potential risks

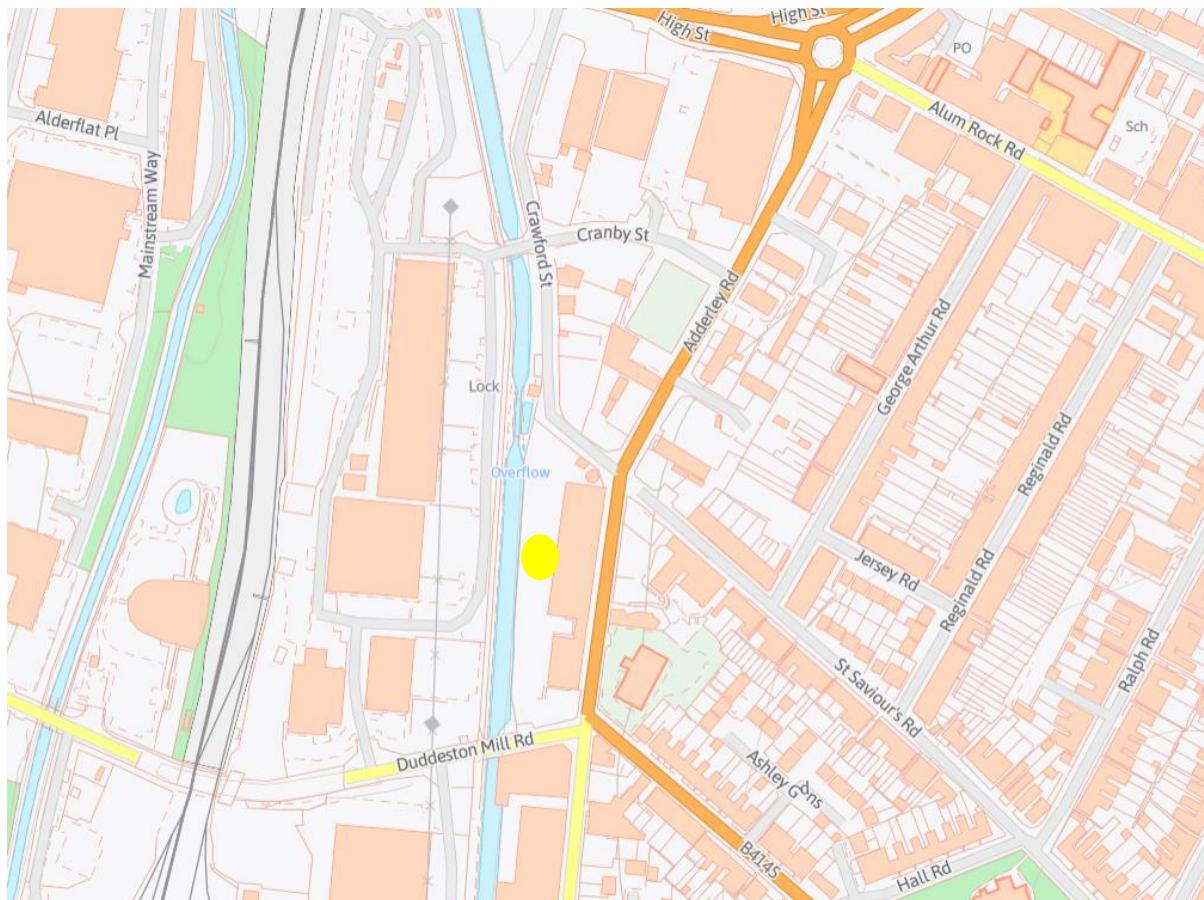
The site is located within the Rivers Tame and Anker catchment.

The permitted area located on the base of a former canal side warehouse.

The closest water course is the canal, which flows into the River Rea.

Drains – The whole site is laid to concrete and drains to the foul sewer.

Site location in proximity to local surface water bodies



| 3.0 Permitted activities | |
|---|---|
| Permitted activities | Transfer, treatment and storage of paper, card and plastics. |
| Non-permitted activities undertaken | Related activities to serve the waste management activity including – <ul style="list-style-type: none">- Office / Weighbridge- Maintenance of plant and equipment |
| Document references for: <ul style="list-style-type: none">• plan showing activity layout; and• environmental risk assessment. | SWUKL7 – Site layout SWUKL3 – Environmental risk assessment |

Permitted activities

Transfer, treatment and storage of paper, card and plastics.

Non-permitted activities undertaken

The site has an office / weighbridge and small plant workshop.

There is the storage facility for hand tools, power tools, and COSHH items within a COSHH cabinet/ sealed container unit.