

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

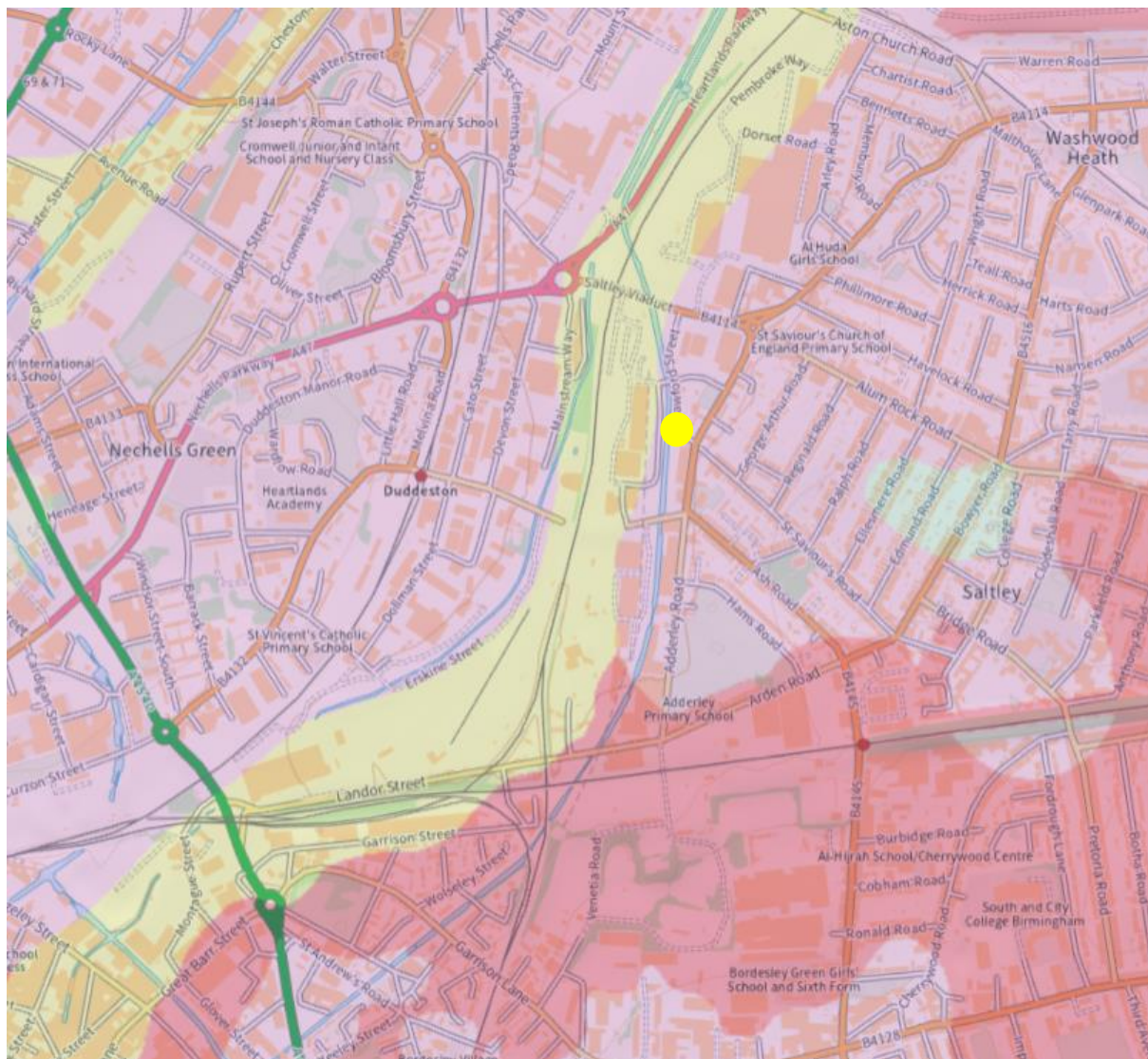
2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> <li>• geology</li> <li>• hydrogeology</li> <li>• surface waters</li> </ul>	Smurfit Westrock UK Ltd - Duddeston Mill Road, Saltley, Birmingham, B8 1AB
Pollution history including: <ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• any visual/olfactory evidence of existing contamination</li> <li>• evidence of damage to pollution prevention measures</li> </ul>	<p>Pollution incidents that may have affected land –</p> <p>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
<b>Supporting information</b>	<ul style="list-style-type: none"> <li>• Source information identifying environmental setting and pollution incidents</li> <li>• Historical Ordnance Survey plans</li> <li>• Site reconnaissance</li> <li>• Historical investigation / assessment / remediation / verification reports</li> <li>• Baseline soil and groundwater reference data</li> </ul>

## Environmental setting including:

- geology
- hydrogeology
- surface waters

## Geology

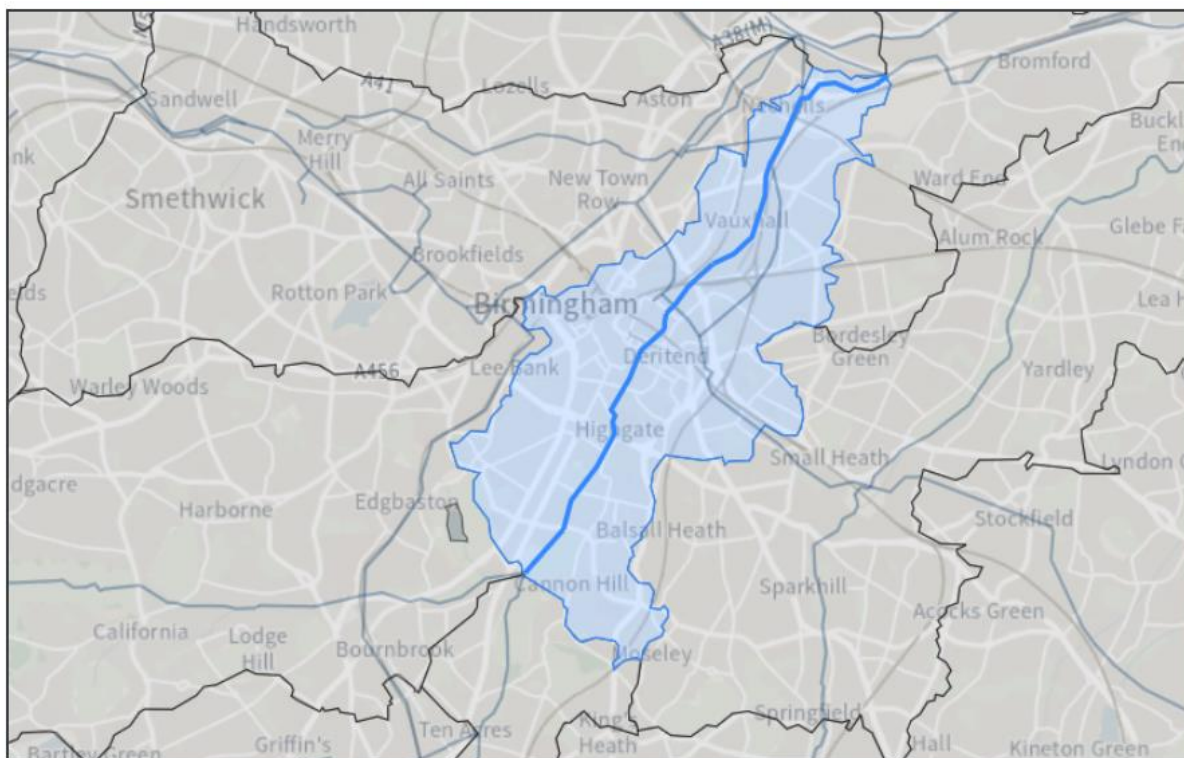
Sidmouth Mudstone Formation - Mudstone. Sedimentary bedrock formed between 250 and 228.4 million years ago during the Triassic period.



## Surface Waters

### River catchment taken from Environment Agency catchment Data Explorer Site –

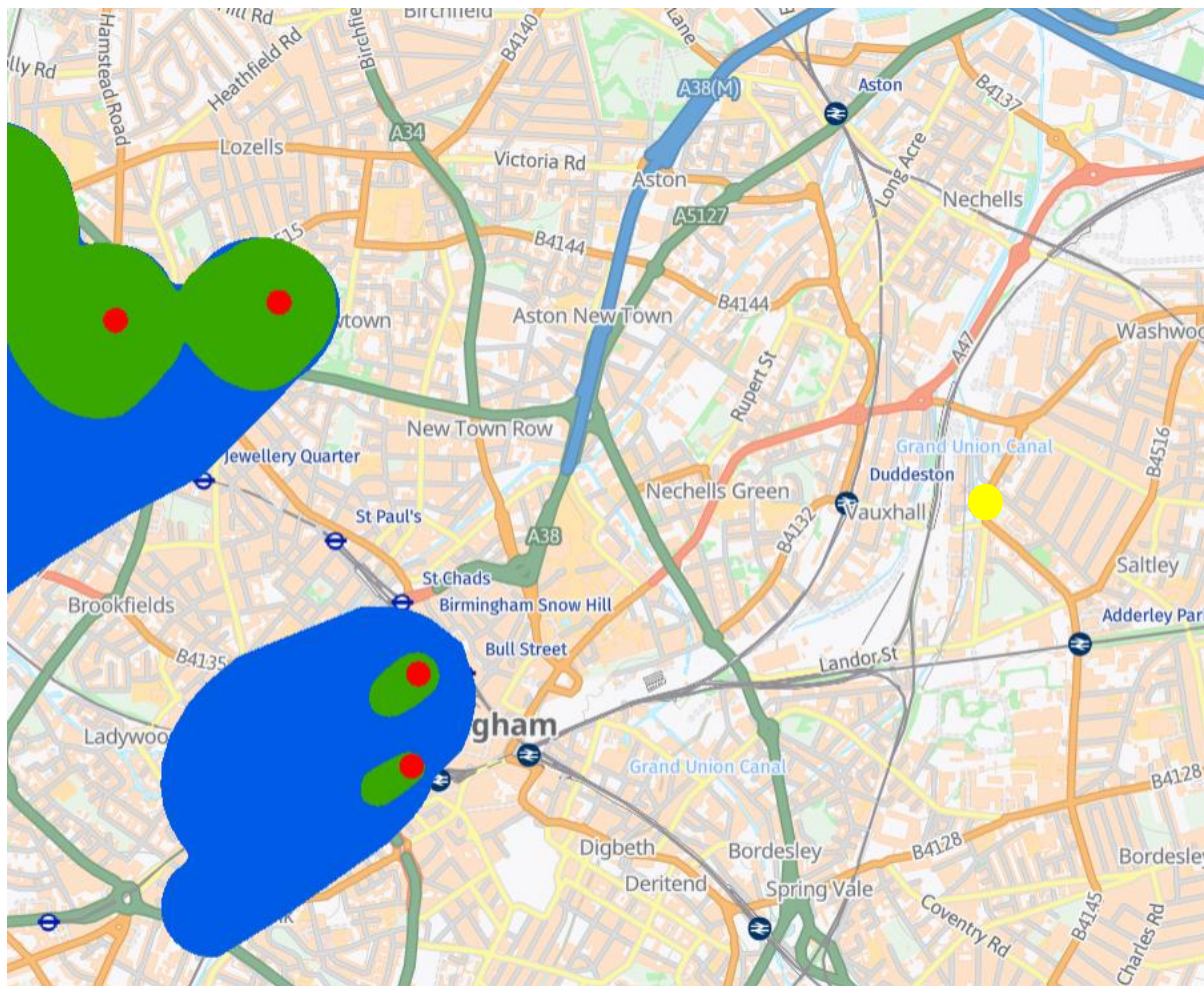
The site sits within the Rea from Bourn Brook to River Tame Water Body part of the wider River Tame and Anker catchment as shown by the Environment Agency Catchment tool.






## 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 WE SP 08 NE/22  
 TOWN OF BIRMINGHAM

At (Name or Name) Birmingham Gasworks, Duddeston Hill Road  
 Town, Village, or Hamlet Birmingham County Warwick Six-inch map 1414  
 Exact site (Indicate a bearing from a map is required, give distance and direction from parish church, vicarage, or other object, or map). Birmingham Town Plan No 10 Popular Edition of 1889  
NGR 59 0927 8715 one-inch map 69


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 in. Bored 310 ft.; diameter of boring: at top 12 in., at bottom 12 in.  
 Details of lining (Specify diameter of casing) 21" 9" of 15" top 11' 6" B.S.  
16" of 12" top 22' B.S. 250' of 10" top 2' B.S.  
 Water struck at depths 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 17185 gals. per hour (ii) normal \_\_\_\_\_ gals. per hour.  
 Quality (attach map of analysis if available) \_\_\_\_\_  
 Made by G. J. & Co for Bham Corp Date of boring 1915  
 Information from J. J. & Co

GEOLOGICAL CLASIFICATION.		NATURE OF STRATA. (Add any additional remarks)	THICKNESS.		DEPTH.	
			Feet.	Inches.	Feet.	Inches.
Drift } 86 K.M.	} chiefly red marl } deeper than main hole. top	86				
		12		98		
Shallow 220 ft. deep	Hard rock	71		169		
	Rock	43		212		
KS	Hard rock	42		254		
	Rock	18		272		
? 303	Hard rock	25		297		
	Rock	6		303		
KS	Hard rock	30		333		
	Very hard rock	2	6	335	6	
? 303	Hard rock	3	6	339		
	Sandstone rock	12		351		
KS	Very hard marl	6		357		
	Hard sandstone	3		360		
KS	Hard rock	3		363		
	Hard sandstone rock	24		387		
KS	Sandstone	2		389		
	Conglomerate	3		392		
KS	Hard sandstone	8		400		
	Conglomerate	15		415		
KS	Hard red marl	4		419		
	Sandstone	10		429		
KS	Conglomerate	8		437		
	Hard marl	2	6	439	6	
BS	Conglomerate	4		443		
	Sandstone	4	6	448	6	
213	Conglomerate	7	9	455	9	
	Hard	3		458		
KS	Sandstone	9		467		
	Conglomerate	8	3	476		
KS	Sandstone	34		510		
	Marl	3		510	3	
KS	Conglomerate	4		514		
	Brown sandstone	2	9	515	9	
KS	Red sandstone	1		517		
	Marl	1		518		

GEOLOGICAL SURVEY AND MINES. For Survey use only.  
 SOUTH KENTON, LONDON, S.W.7.

Date received	G.S.M.	N. of H. notified.	Site marked on 1" map.
3.2.37			

(PRINTED BY THE DIRECTOR, GEOLOGICAL SURVEY, LONDON, S.W.7.)



**British Geological Survey**

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

**RECORD of WELL or BORING (continued)**

*Donington Gasworks, Shilley* County

**NATURE OF STRATA.**

*forward*

*BS*  
*Contd.*

*PP.*  
*D.H. Land*  
*7/64*  
*Box 508*

*forward*  
*Conglomerate*  
*sandstone*  
*Hard Conglomerate & marl*  
*sandstone*  
*Conglomerate*  
*sandstone*  
*sandstone with pebbles*  
*Conglomerate*  
*Grey sandstone*  
*sandstone*  
*Conglomerate*

*Ref. in abstract in W.S. Warwick, p. 148; Ben*  
*yield is given as 20,000 g.p.c.*

*J.H.T. gives normal yield as 8,000 g.p.c.*  
*under '302' (1933).*

*Site marked on field-sky Warwick 14 11/16/6*  
*differs slightly from that shown here acc.*  
*large-scale plan.*

**THICKNESS**

Feet	Inches	Feet	Inches
2		518	
15		520	
5		535	
		540	
2		542	
1		543	
16		559	
16		575	
8	6	583	6
1		584	
13		597	6
4	6	602	





British  
Geological  
Survey

BGS ID: 301688 : BGS Reference: SPOBNE22  
British National Grid (27700) : 409310,287760

**RECORD of WELL-BORING** (22) **SP01688**

At Down or level, Birmingham Gasworks, Duddleton Hill Road  
Town, Village, &c. Selly Oak, Birmingham County Warwick Six-inch map 18 NW  
Exact site (within a bounding circle, a map is supplied, give distance and direction from parish church, crossroads, or other object shown on map). Birmingham Town Plan No 10 Popular Edition of 69  
NGR SP 0927 8715 one-inch map.

Surface level of ground 310 ft. above Ordnance Datum. Well or Bore commenced at 16 ft. below surface level of ground.  
Sunk 32 ft. diameter 12 ft. Bored 12 ft. diameter of boring: at top 12 in., at bottom 12 in.  
Details of lining tubes (internal diameters preferred) 21" 9" of 15", top 11" 6" B.S.  
26" of 12", top 32" B.S. 250" of 10", top 2" B.S.

Water struck at depths of (feet)  
Real-level of water 32 ft. top of well or bore 126 ft. Pumping level 126 ft. Time of recovery 17 hours.  
Suction at 17 ft. depth. Yield: (i) on test 17 galls. per hour, (ii) normal 17 galls. per hour.  
Quality (attach copy of analysis if available)  
Made by G. J. & Co for Bham Corps Date of boring 1915  
Information from Febers

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA (and any additional remarks)	THICKNESS		DEPTH	
		Feet	Inches	Feet	Inches
Duff 86	Chiefly red marl } chiefly Marls, Middle Gp.	86			
	Rocky	12		98	
Hamwood	Hard rock	71		169	
Stn. Gp.	Rock	43		212	
	Hard rock	42		254	
	Rock	18		272	
	Hard rock	25		297	
KS	Rock	6		303	
	Hard rock	30		333	
? 303	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	2		392	
	Hard sandstone	8		400	
	Conglomerate	15		415	
	Hard red marl	4		419	
	Sandstone	10		429	
	Conglomerate	8		437	
BS	Hard marl	2	6	439	6
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	Sandstone	4	6	448	
213	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	
	Hard	1		518	

For Survey use only.  
GEOLOGICAL SURVEY AND MINING, SOUTH KENSINGTON, LONDON, S.W.7.  
Date received 3.2.39 G.S.M. M. of H. notified. Site marked on 1" map. (22222) 10 2882222 5000 11/28 M. J. N. P. L. & Co. Ltd.



British  
Geological  
Survey

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

RECORD of WELL or BORING (continued)			
at <u>Birmingham Gasworks, Saltley</u> County			
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS	
		Feet	Inches
BS Contd.	forward		
	Conglomerate	2	520
	Sandstone	15	535
	Hard Conglomerate & marl	5	540
	Sandstone	2	542
	Conglomerate	1	543
	Sandstone	16	559
	Sandstone with pebbles	6	575
	Conglomerate	8	583
	Gravel Sandstone	1	584
P.P. D.H. Land 7/64 Box 5-78	Sandstone	13	597
	Conglomerate	4	602
<p>Pub. is abstract in W.S. Warwick, p. 167; but yield is given as 20,000 g.p.R.</p> <p>J.M.T. gives normal yield as 8,000 g.p.R.; estimate 302' (1933).</p> <p>Site marked on field-skip Warwick 14 May 1933 differs slightly from that shown on map. - large rock plane.</p>			

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

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



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

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

### Any visual/olfactory evidence of existing contamination

The permitted area will be laid to concrete.

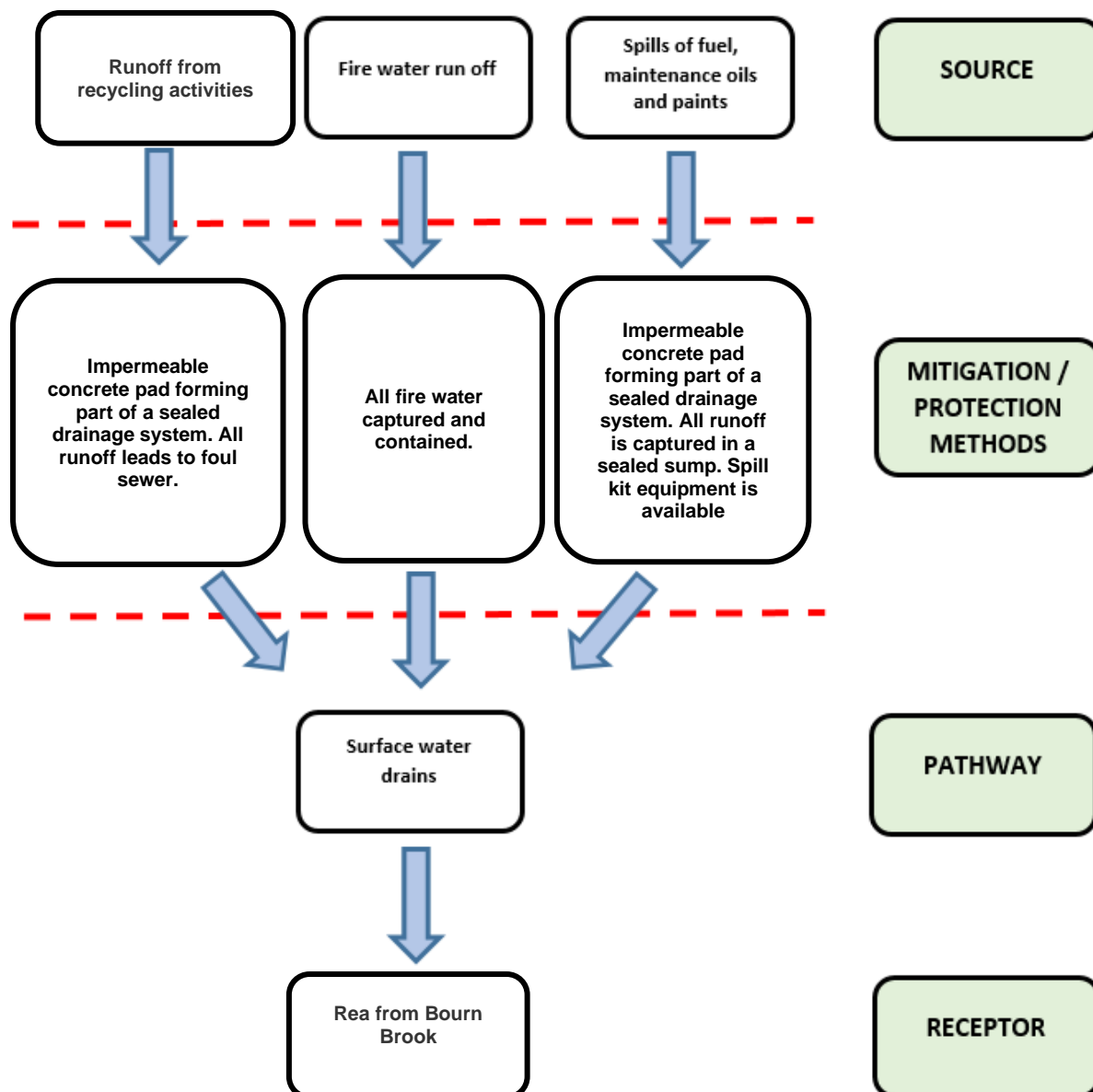
### Evidence of damage to pollution prevention measures

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

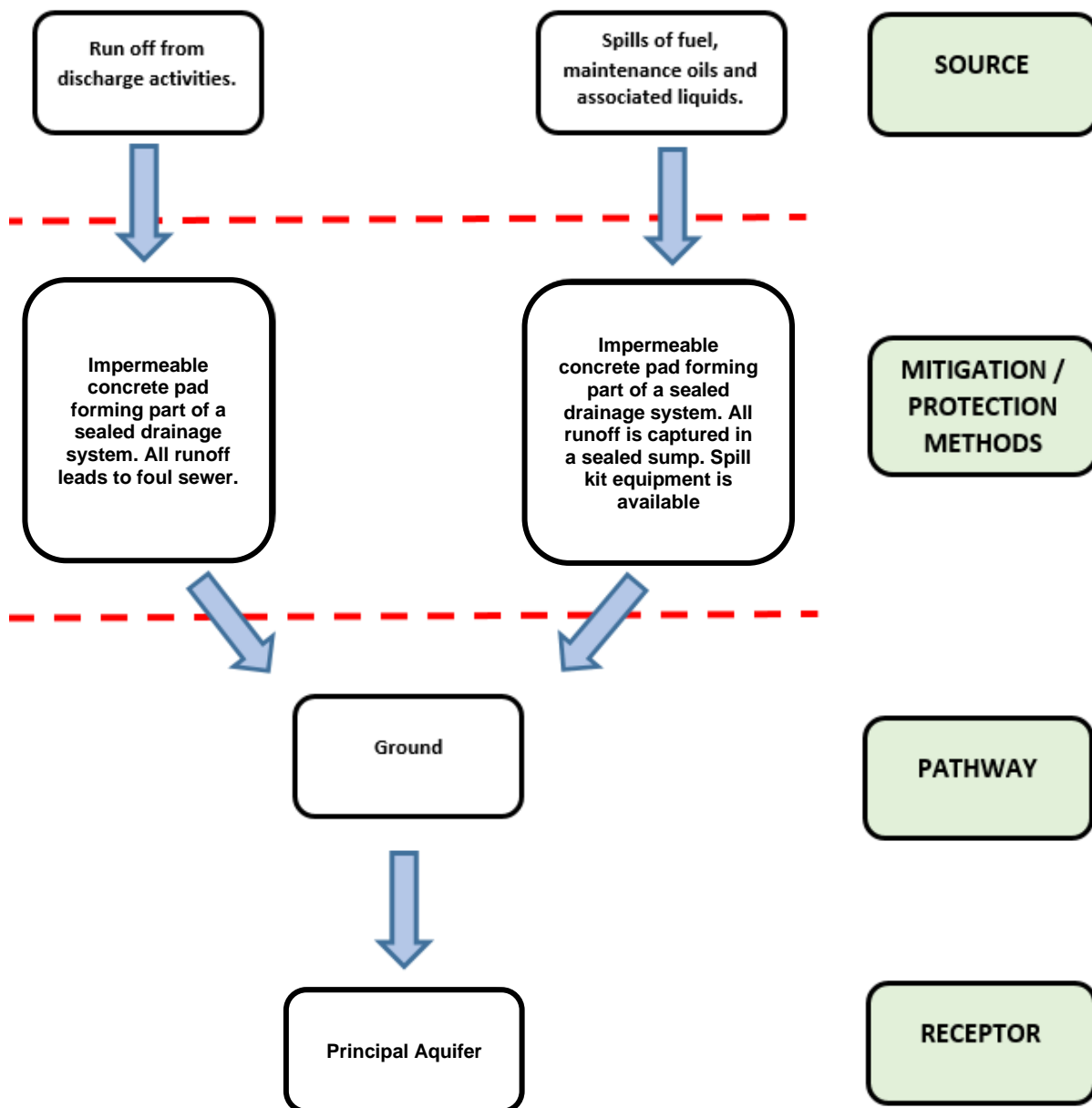
### Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)

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

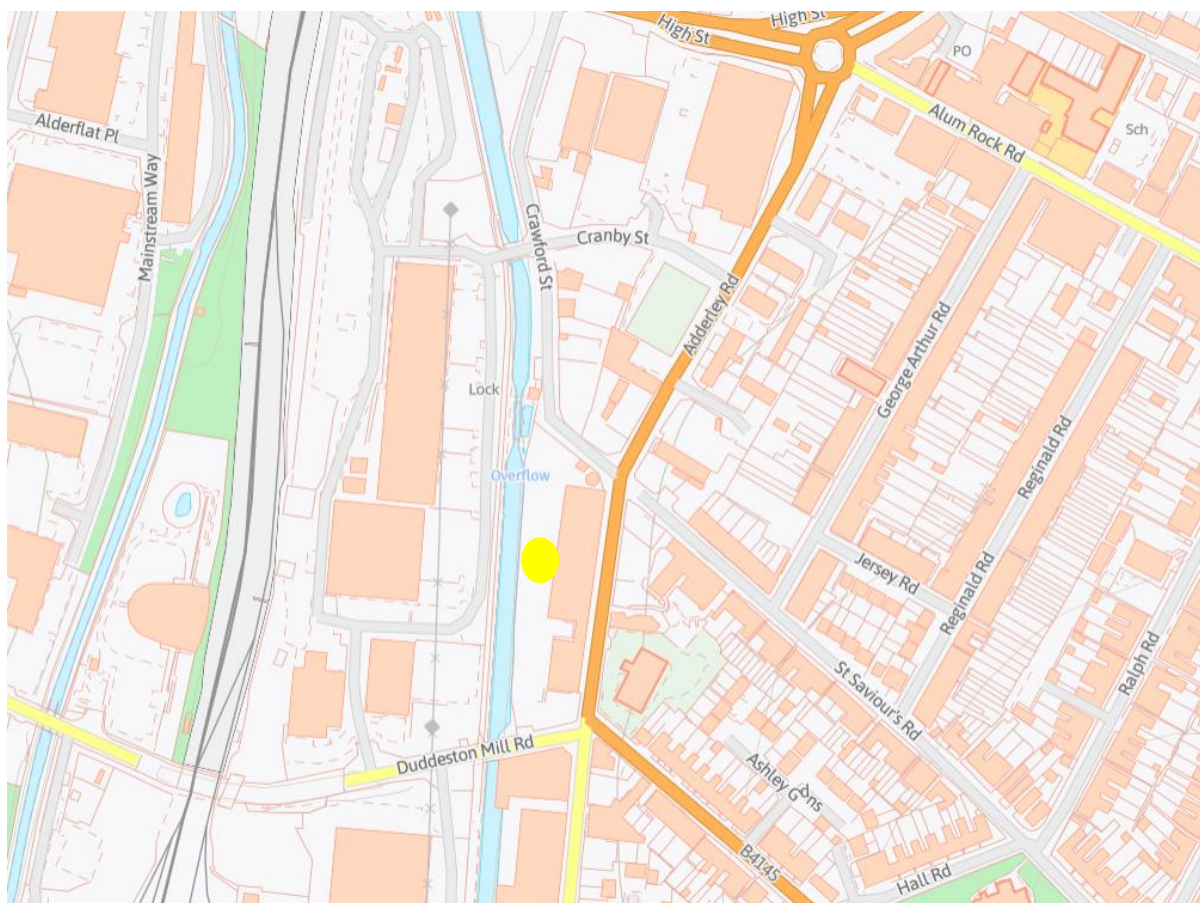
The site is located within the Rivers Tame and Anker catchment.

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



<b>3.0 Permitted activities</b>	
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"> <li>- Office / Weighbridge</li> <li>- Maintenance of plant and equipment</li> </ul>
Document references for: <ul style="list-style-type: none"> <li>• plan showing activity layout; and</li> <li>• environmental risk assessment.</li> </ul>	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.