# 6b. Aquifer Within Bedrock Geology and Abstraction Licenses

© Crown copyright and database rights 2015
Ordnance Survey license 100035207.

# 6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses

© Crown copyright and database rights 2015
Ordnance Survey license 100035207.

Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2 - Outer Catchment

Site Outline

Source Protection Zone 3 - Total Catchment

250
500
Search Buffers (m)

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

# 6d. Hydrogeology – Source Protection Zones within confined aquifer

© Crown copyright and database rights 2015
Ordnance Survey license 100035207.

Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

Source Protection Zone 3C - Total Catchment within Confined Aquifer

Site Outline

250
500
Search Buffers (m)

Potable Water Abstraction Licence

# 6e. Hydrology – Detailed River Network and River Quality

© Crown copyright and database rights 2015.
Ordnance Survey license 100035207.

Site Outline

250 — 500 — Search Buffers (m)

Primary River
Secondary River
Tertiary River
Lake/Reservoir
Underground River (inferred)
General Quality Assessment: Biology
General Quality Assessment: Chemistry
Canal
Canal Tunnel
Culvert
Multiple Channel Culvert
Underground River (Potential Sewer)
Underground River (local knowledge)

# 4. Current Land Use Map

© Crown copyright and database rights 2015.
Ordnance Survey license 100035207.

Site Outline

Current Industrial Sites

Electricity Transmission Cables

250
500
Search Buffers (m)

Petrol & Fuel Sites

Gas Transmission Pipelines

# 7a. Environment Agency Flood Map for Planning (from rivers and the sea)

© Crown copyright and database rights 2015.
Ordnance Survey license 100035207.

Site Outline

100
250
Search Buffers (m)

Zone 2 Floodplain

Zone 3 Floodplain

Flood Defences

Area used for Flood Storage

Area Benefiting from Flood Defences

# 8. Designated Environmentally Sensitive Sites Map

© Crown copyright and database rights 2015.
Ordnance Survey license 100035207.

Site Outline
100
250
Search Buffers (m)

AONB
National Park
SSSI
Special Protection Areas
Nitrate Vulnerable Zones
Green Belt
Environmentally Sensitive Areas
Special Areas of Conservation
World Heritage Sites
Nitrate Sensitive Areas
Ancient Woodland
National Nature Reserve
Local Nature Reserves
Ramsar Sites

**Investment and Regeneration**
**Environmental Health**
Flint Street
Fartown
Huddersfield HD1 6LG
Tel: 01484 221000
Website: www.kirklees.gov.uk
E-mail address: michael.pogson@kirklees.gov.uk

Our Ref: WK/201601721
Your Ref: 005/2336/REG
If calling please ask for: Michael Pogson

Date: 8th February 2016

Lithos Consulting
Parkhill
Walton Road
Wetherby
LS22 5DZ

**FAO: Mr Martin Thompson**

Dear Sir / Madam

**Site of Interest: Ravensthorpe Road, Dewsbury**
**Grid Ref: SE 232 192**

I refer to your recent enquiry regarding an Environmental Audit at the above site.

The following has been obtained from our records, but it should be noted that this information is not exhaustive.

This service holds the following information pertaining to landfill sites located within 250m of the site of interest.

**WT2020** (see appended site plan for location)

Some of the land under your consideration is occupied by a tract of old landfilling evidently associated with the now demolished Thornhill Power Station. The Environment Agency search website suggests that this tip accepted inert wastes derived from the power station's own processes. There is no Waste License number stipulated (which would infer that tipping was completed prior to 1974 when such licenses were first issued) nor any mention of landfill gas monitoring having been carried out at this site.

**No 61017**(see appended site plan for location)

Immediately to the north of Ravensthorpe Road is a landfill whose Waste Management Licence is apparently still extant. Please contact the Environment Agency (0113213 4748) for further information about this site.

**Site 168**

According to the Environment Agency notes tipping took place from pre 1948 until 1989. The Waste Disposal Licence for Site 168 allowed for the deposit of "chemically and biologically inert demolition and construction wastes, together with chemically and biologically inert non-flammable industrial wastes". The quantity, depth and precise plan extent of tippings is however unknown. Landfill gas surveys were carried out on the tipped area between 1989 and 1993; negligible levels of methane (highest value, 1% of LEL) were recorded.

Please turnover

I hope that this answers you enquiry, but if you require any further information then please contact me.

An invoice for this work will follow shortly.

Yours faithfully

Michael Pogson
Graduate Environmental Health Officer

Enclosures: Site Plan

Kirklees COUNCIL

Tel: 01484 221000
E-Mail: maps@kirklees.gov.uk

Ravensthorpe Road Site Plan

0 m 300 m 600 m

Scale 1: 8839

N W E S

## Reg

**From:** Beech, Cheryl <Cheryl.Beech@environment-agency.gov.uk>
**Sent:** 31 March 2016 11:10
**To:** Martin Thompson
**Subject:** Your Enquiry: RFI/2016/1649

**Our Ref:** RFI/2016/1649

**Your Ref:**

Dear Martin

**RE: Dewsbury Riverside**

Thank you for your enquiry dated 22 January 2016.

### 1 Waste Regulation

The only information we hold on the historical landfill within the site boundary is below, it is a very old site, further information should be help with the Local Authority which would be Kirklees Council in this instance.

**Historic Landfill Sites**

| | |
|---|---|
| HLD Reference: | EAHLD31749 |
| Site Name: | Thornhill Power Station |
| Site Address: | Calder Road, Ravensthorpe, West Yorkshire |
| EA WMLR: | 0 |
| BGS Reference: | 2799 |
| Site Operator Name: | Central Electricity Generating Board |
| OS Prefix: | SE |
| Easting: | 422600 |
| Northing: | 419600 |
| EA Region: | NE |
| EA Area: | Ridings NE |
| First Input: | 31-Dec-1923 |
| Inert: | Yes |
| Industrial: | Yes |
| Waste Comments: | General factory waste |

### 2 Water Framework Directive (Groundwater and Surface Water)

Please find attached the last 3 years of water quality results from the closest monitored upstream/downstream locations to the site. In order to offer more u/s d/s comparison we have also included data from the site further above at Battyeford - this has a more extensive suite, in line with the d/s Dewsbury point. The immediate u/s point at Mitchell Cotts only carries more basic analyses. An extra file lists the full names of determinands abbreviated in the results file.

We have no concerns regarding surface/groundwater passing through the site.

This information is provided subject to the attached notice which you should read.

**We would be really grateful if you could spare five minutes to help us improve our service. Please click on the link below and fill in our survey – we use every piece of feedback we receive:**

http://feedback1.environmentagency.uk.com/s3/b85d5292267d

If you require any further help, please do not hesitate to contact me.

Yours sincerely

Cheryl Beech
Customers and Engagement Team

Direct Dial 02030 256412
Email neyorkshire@environment-agency.gov.uk

Please note: I work part time - my usual working days are Tuesday, Wednesday & Thursday

**Yorkshire Area**
Environment Agency
Lateral
8 City Walk
Leeds
LS11 9AT

Information in this message may be confidential and may be legally privileged. If you have received this message by mistake, please notify the sender immediately, delete it and do not copy it to anyone else.

We have checked this email and its attachments for viruses. But you should still check any attachment before opening it.
We may have to make this message and any reply to it public if asked to under the Freedom of Information Act, Data Protection Act or for litigation. Email messages and attachments sent to or from any Environment Agency address may also be accessed by someone other than the sender or recipient, for business purposes.
Click here to report this email as spam

# Environmental Information Map for RFI/2016/1649

Environment Agency

## Legend

- Sealed Main Rivers
- Detailed River Network
- Primary River
- Secondary River
- Tertiary River
- Lake / Reservior
- Canal
- Culvert
- Canal Tunnel
- Underground River (inferred)
- Underground River (local knowledge)
- Underground River (Potential Sewer)
- Authorised Landfill Sites
- Historic Landfill Sites
- Flood Map - Defences
- Areas Benefiting from Flood Defences
- Flood Map - Flood Storage Areas
- Flood Map - Flood Zone 3
- Flood Map - Flood Zone 2
- uFMfSW (2013) – 1 in 30 chance rain
- uFMfSW (2013) – 1 in 100 chance rain
- uFMfSW (2013) – 1 in 1000 chance rain

0 130 260 390 m.

N W E S

© Environment Agency copyright and / or database rights 2014. All rights reserved. © Crown Copyright and database right 2014. Ordnance Survey licence number 100024198.

# Appendix F

# Photos

Photo 1 – Access track (SE 2282 1965)

Photo 2 – Drainage ditch (SE 2307 1974)

Photo 3 – Saplings & footpath (SE 2255 1953)

Photo 4 – Sloping land in Lady Wood (SE 2239 1952)

Photo 5 – Services (water) crossing valley in Lady Wood (SE 2232 1965)

Photo 6 – Suspected bell pit & adit (SE 2229 1947)

Photo 7 – Pastures in north-west (SE 2203 1953)

Photo 8 – Wooded mound & storage area (SE 2215 1929)

Photo 9 – Possible site of former AST at Calder Farm (SE 2199 1924)

Photo 10 – Activities at Calder Farm (SE 2202 1923)

Photo 11 – Wooded mound to south of Lady Wood (SE 2234 1918)

Photo 12 – Wooded mound in south of Lady Wood (SE 2225 1928)

Photo 13 – Long Plantation (SE 2244 1873)

Photo 14 – Sloping land in south (SE 2251 3053)

Photo 15 – Brick wall & outfall (SE 2231 1950)

Photo 16 – Overgrown pile of stones close to CA mine entry (SE 2527 1915)

Photo 17 – Gas pipeline compound (SE 2287 1934)

Photo 18 – Entrance to Crow Royd (SE 2314 1934)

Photo 19 – Metal manholes & caravan (SE 2332 1941)

Photo 20 – Pastures in south off Ouzelwell Lane (SE 2303 1896)

Photo 21 – Former Air Shaft (SE 2311 1879)

Photo 22 – Electricity services crossing east of the site (SE 2356 1932)

Photo 23 – Fly tipping off Ouzelwell Lane (SE 2343 1932)

Photo 24 – Allotments in east (SE 2387 1939)

Photo 25 – Garages in central north (SE 2392 1950)

Photo 26 – Possible collapse feature in north-west (SE 2314 1962)

Photo 27 – Evidence of probable acid mine drainage (SE 2314 1962)

Photo 28 – Depression in central north (SE 2374 1933)

Photo 29 – Entrance to The Beeches/Sands House (SE 2187 1943)

Photo 30 – Moor Farm from the north (SE 2406 1937)

Photo 31 – Former allotments in east (SE 2442 1927)

Photo 32 – Fly tipping & dense overgrowth in far east (SE 2441 1937)