

Dated: 4 July 2019 (Version 4)

Register status: Up to date



## CONTAMINATED LAND REGISTER

We are required to maintain a public register of sites determined as 'Contaminated Land' under Part 2A of the Environmental Protection Act 1990.

The public register does not include information on sites across the county with a past industrial use, a record of sites previously investigated and determined as not 'Contaminated Land' or sites that have been remediated through planning and development control.

Register location: Durham County Council, Pollution Control, Environmental Health and Consumer Protection, Annand House, John Street North, Meadowfield, DH7 8RS

Bessemer Park is the only site currently on the register.

Site Name and Address	Date of Determination	Special Site Determination	Grid Reference	Status
Bessemer Park, Sedgefield	13 <sup>th</sup> July 2006	No	426370 534020	Remediated

Bessemer Park has been remediated and is considered suitable for use.

The following information relates to the regulatory action and remediation.

Bessemer Park covered two former areas of land:

Sedgefield District Council (CLD/001, as amended by CLD/001a)

Durham County Council (CLD/002, as amended by CLD/002a)

Therefore, there are two entries on the register.

The table below shows the information on the register. Where information is available, further detailed information is provided.

Summary Table:

Information on Register	Number of Entries	Available Information
Remediation Notices	0	0
Remediation Declarations/Statements	2	Page 2 & Appendix 2 and 3
Appeals against Notices	0	0
Designation of Special Sites	0	0
Notification of Claimed Remediation	2	Page 2
Convictions of Offences	0	0

Detailed information where entries are included:

### **1. Remediation Declarations/Statements**

There are currently two entries:

Bessemer Park Sedgefield (Site Ref. CLD/001, as amended by CLD/001a)  
Bessemer Park Sedgefield (Site Ref. CLD/002, as amended by CLD/002a)

### **2. Notification of Claimed Remediation**

There are currently two entries:

Bessemer Park Sedgefield (Site Ref. CLD/001, as amended by CLD/001a)  
Bessemer Park Sedgefield (Site Ref. CLD/002, as amended by CLD/002a)

The remediation has been verified, details of which can be found in the following reports held by Durham County Council:

- Sirius (November 2006) Completion statement for the capping works of land at Bessemer Park, Spennymoor, prepared for Sedgefield Borough Council (Report C1426B)
- FWS Consultants Ltd (February 2007) Additional Sampling of Shallow Made Ground, Bessemer Park, Spennymoor, prepared for Sedgefield Borough Council
- Durham County Council (September 2007) Bessemer Park School and Open Space site, Remediation Works, Validation Report, Environmental Management Section (Report No. 618/00056/V)

Post remediation Bessemer Park is considered suitable for use and is no longer considered as 'Contaminated Land'.

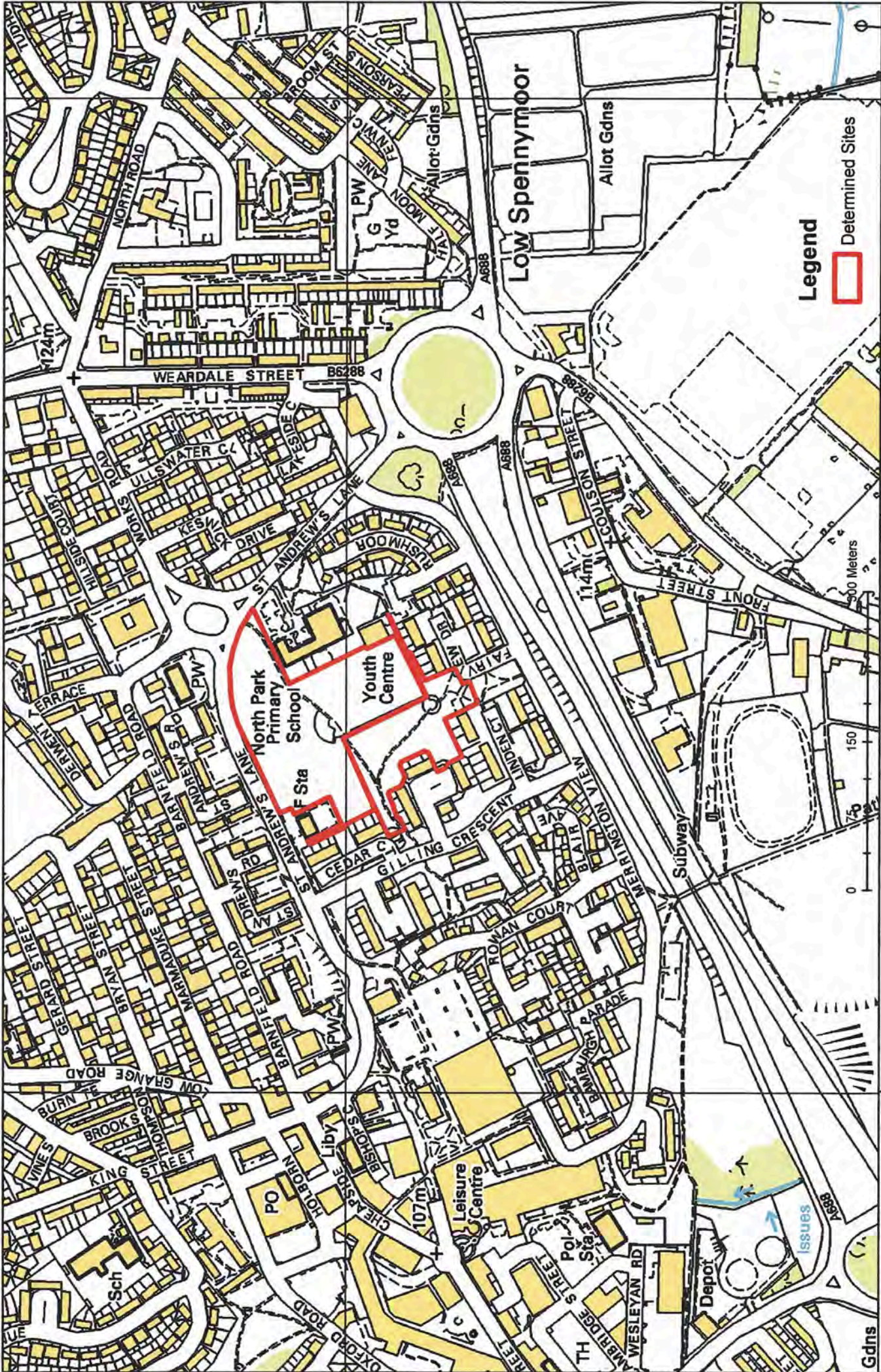
### **Appendices**

Appendix 1: Full Site Location Plan

Appendix 2: CLD/001, as amended by CLD/001a - Notice of Determination, Site Plan, Remediation Statement

Appendix 3: CLD/002, as amended by CLD/002a - Notice of Determination, Site Plan, Remediation Statement

## Appendix 1: Full Site Location Plan



<p><b>Gdns</b></p> <p>GeoEnviron Ref: N/A</p> <p>Grid Ref: 426367 534001</p> <p>© Crown Copyright and database rights 2013. Ordnance Survey LA 100049055</p>	<p>Site Name: Bessemer Park, Spennymoor (A and B)</p>	<p>Current Land Use: Open Space</p>
<p>Notes:</p>		

Appendix 2: CLD/001, as amended by CLD/001a - Notice of Determination, Site Plan, Remediation Statement



**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**

**SECTION 78 – PART IIA**

**RECORD OF THE DETERMINATION OF LAND AS BEING  
CONTAMINATED**

Under the provisions of section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgefield Borough Council have identified that land at:

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

within the boundary marked in red on the attached (Plan 1) and referred to thereafter as “this land”, is “contaminated land” under the definition within section 78A(2) of the above Act in that:

Sedgefield Borough Council have identified contaminants, relevant pathways and receptors that exist in respect to the current use of this land and are satisfied that these pollution linkages represent a significant possibility of significant harm being caused to those receptors.

This determination is based on the following evidence; itself considered with due regard to the requirements of the Statutory Guidance contained within DETR circular 02/2000, Contaminated Land Report 11 and the Local Authority Guide to the Application of Part IIA.

1. The significant pollution linkages identified are as follows:

Linkage 1	
Contaminant:	<b>Lead</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

Linkage 2	
Contaminant:	<b>Benzo(a)pyrene</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation

Receptor:	Users of the open space
Linkage 3	
Contaminant:	<b>Dibenzo(ah)anthracene</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

2. This determination is based on the following:
  - 2.1 Bessemer Park was formally the site of an iron/steel works, a coke works and other associated activities. The site was cleared during the 1950s-60s, but little or no remediation of the site was carried out.
  - 2.2 Investigations into the open space have shown that considerable levels of materials, left over from the original use of the site, are found within the made ground. WA Fairhurst assessed these levels on behalf of the landowner, Durham County Council, in 2004. Based on a theoretical, conservatively modeled, quantitative risk assessment it has been decided that the pollutant linkages listed above are significant and therefore to determine the site as Contaminated Land under section 78A(2) of the Environmental Protection Act, 1990, as amended. Whilst there is no evidence of harm occurring at present, there is a significant possibility that significant harm may occur at some stage in the future.
  - 2.3 Further investigations were carried out on behalf of Sedgefield Borough Council into the potentially contaminated groundwater that was known to exist within the site. However, no significant pollution linkages were identified in this study.
3. Sedgefield Borough Council is satisfied that all relevant and available evidence supporting the determination is appropriate and representative of the site. In this case, third-party assessment of the WA Fairhurst by the Department of the Environment, Food and Rural Affairs has concluded that the WA Fairhurst report meets these criteria.
4. Summary
  - 4.1 Sedgefield Borough Council has been provided with information that identifies, through the principals of risk assessment, that land within its administrative area meets the definition of contaminated land with section 78A(2) of the Environmental Protection Act, 1990, as amended.

- 4.2 The Risk Assessment report has been independently assessed and is considered an accurate representation of the uses of, and the risks presented by, the site.
- 4.3 Further information on the groundwater conditions of the site has been gathered and no pollution linkages are identified through this medium.
- 4.4 Sedgefield Borough Council is now in possession of sufficient information to characterise the site and no further pollution linkages are thought to exist on this land.
- 4.5 These linkages are derived from current techniques and procedures.

5. Date of determination:

13<sup>th</sup> July 2006

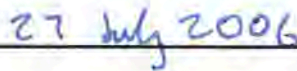
Signed:



Director of Neighbourhood Services

Authorised in this position for and on behalf of Sedgefield Borough Council

Date:





- 6 References:
- 6.1 Environmental Protection Act (1990), as amended.
  - 6.2 Department of the Environment, Transport and the Regions, Circular 02/2000, HMSO, 2000.
  - 6.3 WA Fairhurst & Partners, Land at Bessemer Park, Spennymoor. Quantitative Risk Assessment Report, Document reference D/I/D51323/01C, 2004.
  - 6.4 Environment Agency, Contaminated Land Report 11: Model Procedures for the Management of Land Contamination, Environment Agency, 2005.
  - 6.5 Local Authority Guide to the Application of Part IIA of the Environmental Protection Act 1990, 2001.
  - 6.6 F.W.S. Consultants Ltd., Hydrogeological Site Investigation and Evaluation of Groundwater Contamination, Bessemer Park Open Space, Spennymoor, November 2004.

# Bessemer Park

## Area of Land Determined as Contaminated Land

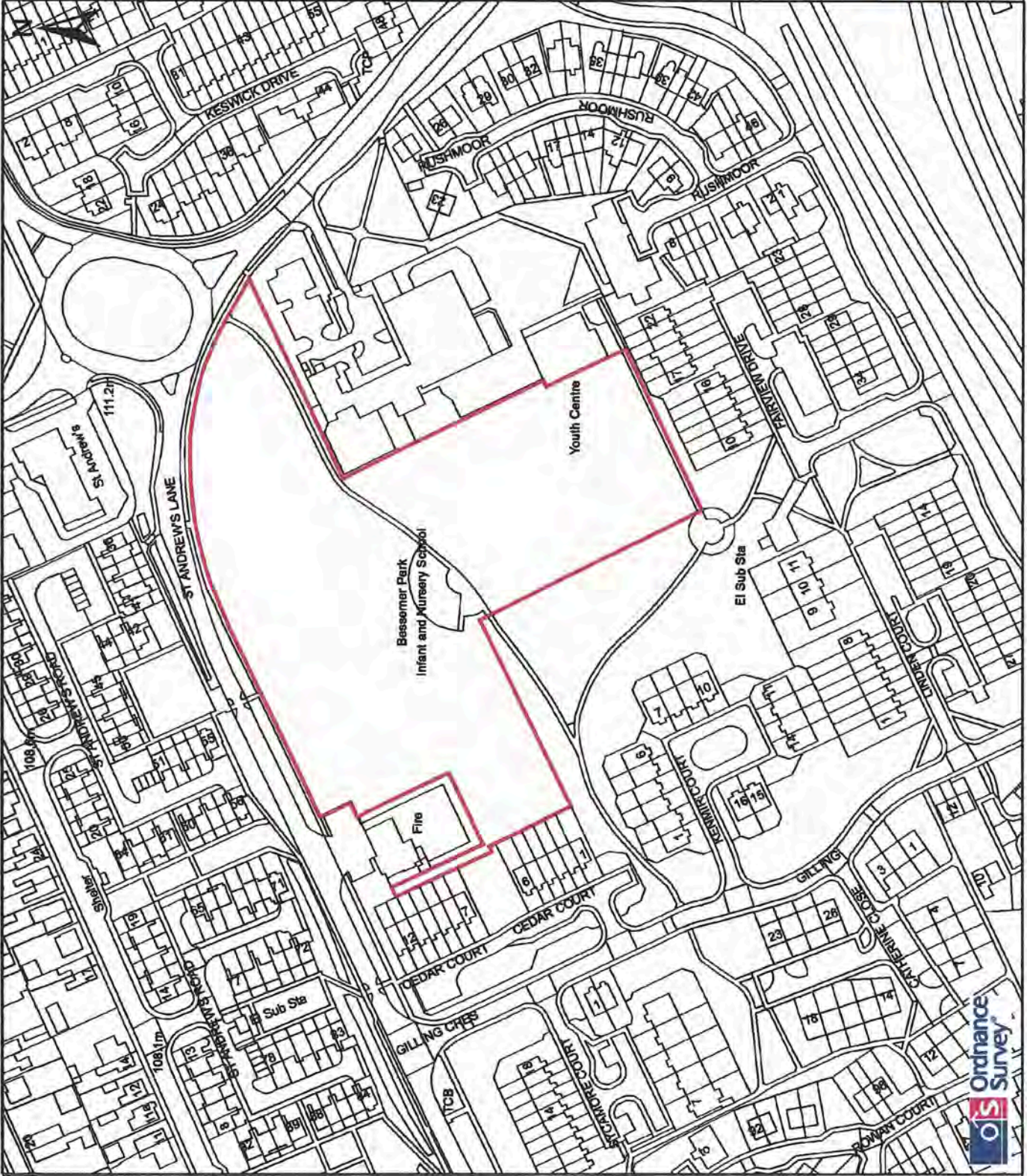


Ref: CLD/001

1:2,000



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**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**AMENDMENT TO THE RECORD OF DETERMINATION OF**  
**LAND AS BEING CONTAMINATED**

Under the provisions of Section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgefield Borough Council hereby make the following amendment to the following Notice:

**Ref: CLD/001. (Copy Attached)**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following amendments to the Notice CLD/001 shall be applied with immediate effect:

**1. In Paragraph 2, Page 1 of 5, Replace the words:**

'within the boundary marked red on the attached (Plan 1)'

**With:**

'within the boundary marked red on the attached (Plan 1a)'

**2. In Page 5 of 5, Substitute:**

Plan 1

**With:**

Plan 1a, attached to this notice

Signed: \_\_\_\_\_

A handwritten signature in black ink, appearing to read "Colin Hill", is written over a horizontal line.

Director of Neighbourhood Services

Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

08-10-2007



**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**REMEDIATION STATEMENT**

**Site Ref: CLD/001, as amended by CLD/001a**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following details are supplied under Section 78H (7) of the above named legislation, subject to Section 78H (5) a Remediation Notice was not required for this site.

- a. Works shall be carried out on site in line with the proposals supplied in the following documents:

WA Fairhurst & Partners (2004) Land at Bessemer Park, Spennymoor.  
Quantitative Risk Assessment Report, Document Reference:  
D/I/D51323/01C, 2004. as amended.

- b. The persons and / or organisation specified below are responsible for ensuring that works are carried out to a satisfactory standard:

Environment Department  
Durham County Council  
County Hall  
Durham  
DH1 5UL

- c. Works are scheduled to be completed by 31<sup>st</sup> July 2007.

Appendix 3: CLD/002, as amended by CLD/002a - Notice of Determination, Site Plan, Remediation Statement



**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**

**SECTION 78 – PART IIA**

**RECORD OF THE DETERMINATION OF LAND AS BEING  
CONTAMINATED**

Under the provisions of section 78 of the Environmental Protection Act 1990, associated statutory instruments, regulations and guidance, Sedgefield Borough Council have identified that land at:

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

within the boundary marked in red on the attached (Plan 1) and referred to thereafter as "this land", is "Contaminated Land" under the definition within section 78A(2) of the above Act in that:

Sedgefield Borough Council have identified contaminants, relevant pathways and receptors that exist in respect to the current use of this land and are satisfied that these pollution linkages represent a significant possibility of significant harm being caused to those receptors.

This determination is based on the following evidence; itself considered with due regard to the requirements of the Statutory Guidance contained within DETR circular 02/2000, Contaminated Land Report 11 and the Local Authority Guide to the Application of Part IIA.

1. The significant pollution linkages identified are:

Linkage 1	
Contaminant:	<b>Lead</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

Linkage 2	
Contaminant:	<b>Benzo(a)pyrene</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation

Receptor:	Users of the open space
Linkage 3	
Contaminant:	<b>Dibenzo(ah)anthracene</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

2. This determination is based on the following:
- 2.1 Bessemer Park was formally the site of an iron/steel works, a coke works and other associated activities. The site was cleared during the 1950s-60s, but little or no remediation of the site was carried out.
- 2.2 Investigations into the open space have shown that considerable levels of material left over from the original use of the site are found within the made ground of the site. F.W.S Consultants Ltd. assessed the nature, distribution and mobility of contaminants on the area of Bessemer Park owned by Sedgefield Borough Council. This investigation indicated that levels of contaminants within the topsoil and made ground, found on the site owned by Sedgefield Borough Council, were generally similar to those found on the adjacent area of land owned by Durham County Council and modelled in the W A Fairhurst Quantitative Risk Assessment Report.
- Due to the contaminants of concern being present in similar concentrations for both the Sedgefield Borough Council and Durham County Council areas of land, the Quantitative Risk Assessment produced by W A Fairhurst was adopted as a Risk Assessment for the Local Authorities area of land. This has been confirmed as an appropriate practice by DEFRA. The W A Fairhurst report, based on a theoretical, conservatively modelled, quantitative risk assessment found that the contaminants listed above existed at concentrations that made the site contaminated land under section 78(2) of the Environmental Protection Act, 1990, as amended. Whilst there is no evidence of harm occurring at present, there is a significant possibility that significant harm may occur at some stage in the future.
- 2.3 Further investigations were carried out by FWS Consultants Ltd., on behalf of Sedgefield Borough Council, into the potentially contaminated groundwater that was known to exist within the site; no significant pollution linkages were identified in this study. A further Detailed Quantitative Risk Assessment was recommended in the study by FWS Consultants Ltd., into the potential contaminants in the groundwaters on the Sedgefield Borough Council area of Land. Sirius Geotechnical and Environmental Ltd. carried out the detailed Quantitative Risk

Assessment; this assessment concluded that the risks posed to groundwaters were negligible.

3. Sedgefield Borough Council are satisfied that all evidence supporting the determination is appropriate and representative of the site. In this case, third-party assessment of the WA Fairhurst by the Department of the Environment, Food and Rural Affairs has concluded that the WA Fairhurst report meets these criteria.

4. Summary

- 4.1 Sedgefield Borough Council has been provided with information that identifies, through the principals of risk assessment, that land within its administrative area meets the definition of contaminated land with section 78A(2) of the Environmental Protection Act, 1990, as amended.
- 4.2 The Risk Assessment report has been independently assessed and is considered an accurate representation of the uses of, and the risks presented by, the site.
- 4.3 Further information on the groundwater conditions of the site has been gathered and no pollution linkages are identified through this medium.
- 4.4 Sedgefield Borough Council is now in possession of sufficient information to characterise the site and no further pollution linkages are thought to exist on this land.
- 4.5 These linkages are derived from current techniques and procedures.

5. Date of determination:

13<sup>th</sup> July 2006

Signed: \_\_\_\_\_



Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

27 July 2006



6. References:

- 6.1 Department of the Environment, Transport and the Regions, Circular 02/2000, HMSO, 2000.
- 6.2 WA Fairhurst & Partners, Land at Bessemer Park, Spennymoor. Quantitative Risk Assessment Report, Document reference D/I/D51323/01C, 2004.
- 6.3 Environment Agency, Contaminated Land Report 11: Model Procedures for the Management of Land Contamination, Environment Agency, 2005.
- 6.4 Local Authority Guide to the Application of Part IIA of the Environmental Protection Act 1990, 2001.
- 6.5 F.W.S. Consultants Ltd., Hydrogeological Site Investigation and Evaluation of Groundwater Contamination, Bessemer Park Open Space, Spennymoor, November 2004.
- 6.6 F.W.S. Consultants Ltd., Desk Study, Site Investigation and Assessment of Potential Contamination of the Bessemer Park Open Space Site, Spennymoor, August 2005.
- 6.7 Sirius Geotechnical and Environmental Ltd., Detailed Quantitative Risk Assessment for Land at Bessemer Park, Spennymoor. March 2006.

# Bessemer Park

## Area of Land Determined as Contaminated Land

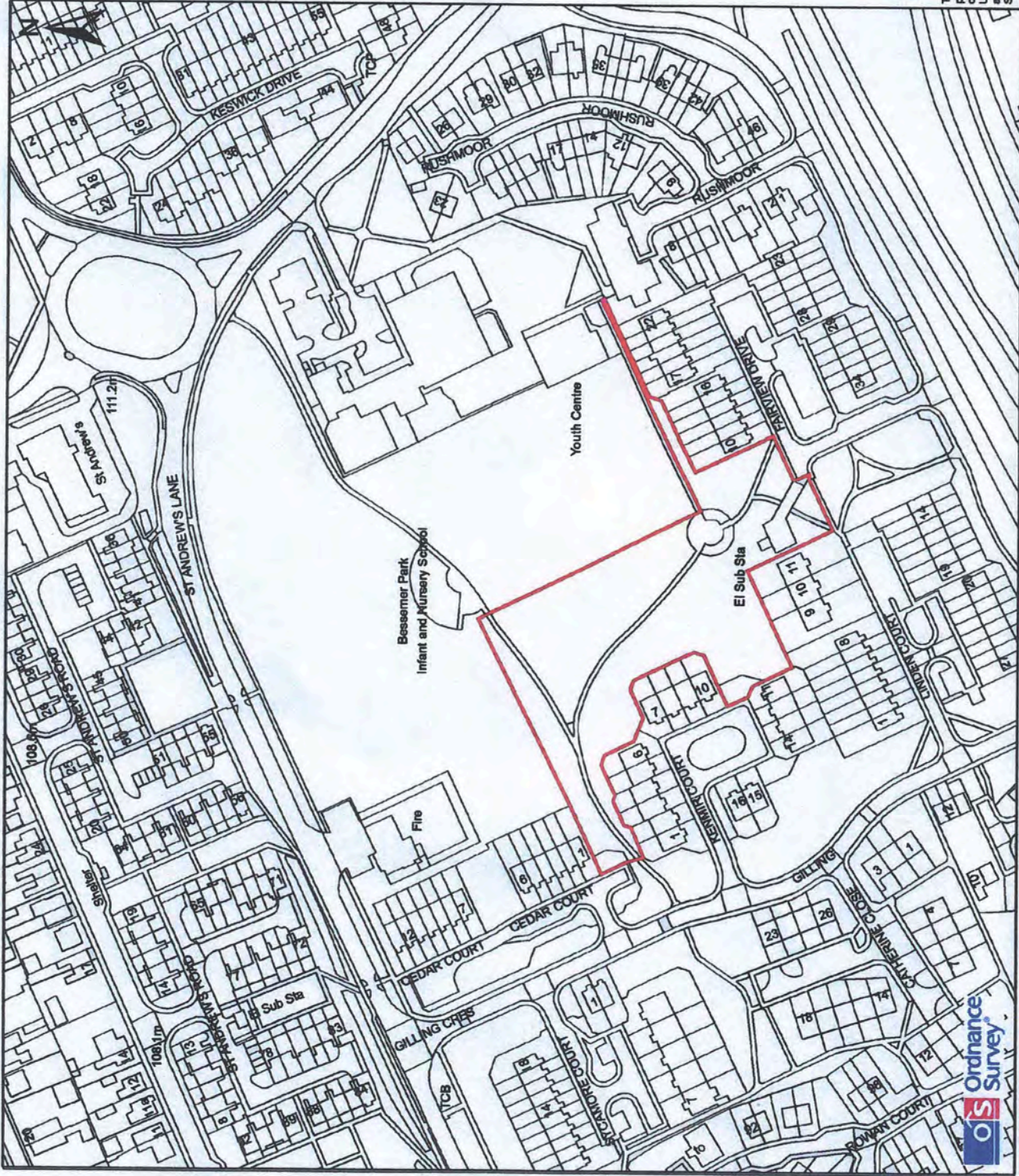


Ref: CLD/002

1:2,000



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**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**AMENDMENT TO THE RECORD OF DETERMINATION OF**  
**LAND AS BEING CONTAMINATED**

Under the provisions of Section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgefield Borough Council hereby make the following amendment to the following Notice:

**Ref: CLD/002. (Copy Attached)**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following amendments to the Notice CLD/002 shall be applied with immediate effect:

**1. On Page 2 of 5, Remove:**

Linkage 3

Signed: \_\_\_\_\_



Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

02-10-2002.

**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**REMEDIATION STATEMENT**

**Site Ref: CLD/002, as amended by CLD/002a**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following details are supplied under Section 78H (7) of the above named legislation, subject to Section 78H (5) a Remediation Notice was not required for this site.

- a. Site works shall be carried out in line with the proposals supplied in the following documents:

Sirius Geotechnical and Environmental Ltd. (April 2006). Specification for the placement of clean capping material for Bessemer Park. Ref: C1426/A.

- b. The persons and / or organisation specified below are responsible for ensuring that works are carried out to a satisfactory standard:

Sedgefield Borough Council  
Council Offices  
Green Lane  
Spennymoor  
County Durham  
DL16 6JQ

- c. Works are scheduled to be completed by 31<sup>st</sup> July 2007.

## CONTAMINATED LAND REGISTER

We are required to maintain a public register of sites determined as 'Contaminated Land' under Part 2A of the Environmental Protection Act 1990.

The public register does not include information on sites across the county with a past industrial use, a record of sites previously investigated and determined as not 'Contaminated Land' or sites that have been remediated through planning and development control.

Register location: Durham County Council, Pollution Control, Environmental Health and Consumer Protection, Annand House, John Street North, Meadowfield, DH7 8RS

Bessemer Park is the only site currently on the register.

Site Name and Address	Date of Determination	Special Site Determination	Grid Reference	Status
Bessemer Park, Sedgefield	13 <sup>th</sup> July 2006	No	426370 534020	Remediated

Bessemer Park has been remediated and is considered suitable for use.

The following information relates to the regulatory action and remediation.

Bessemer Park covered two former areas of land:

Sedgefield District Council (CLD/001, as amended by CLD/001a)  
Durham County Council (CLD/002, as amended by CLD/002a)

Therefore, there are two entries on the register.

The table below shows the information on the register. Where information is available, further detailed information is provided.

Summary Table:

Information on Register	Number of Entries	Available Information
Remediation Notices	0	0
Remediation Declarations/Statements	2	Page 2 & Appendix 2 and 3
Appeals against Notices	0	0
Designation of Special Sites	0	0
Notification of Claimed Remediation	2	Page 2
Convictions of Offences	0	0

Detailed information where entries are included:

### **1. Remediation Declarations/Statements**

There are currently two entries:

Bessemer Park Sedgefield (Site Ref. CLD/001, as amended by CLD/001a)

Bessemer Park Sedgefield (Site Ref. CLD/002, as amended by CLD/002a)

### **2. Notification of Claimed Remediation**

There are currently two entries:

Bessemer Park Sedgefield (Site Ref. CLD/001, as amended by CLD/001a)

Bessemer Park Sedgefield (Site Ref. CLD/002, as amended by CLD/002a)

The remediation has been verified, details of which can be found in the following reports held by Durham County Council:

- Sirius (November 2006) Completion statement for the capping works of land at Bessemer Park, Spennymoor, prepared for Sedgefield Borough Council (Report C1426B)
- FWS Consultants Ltd (February 2007) Additional Sampling of Shallow Made Ground, Bessemer Park, Spennymoor, prepared for Sedgefield Borough Council
- Durham County Council (September 2007) Bessemer Park School and Open Space site, Remediation Works, Validation Report, Environmental Management Section (Report No. 618/00056/V)

Post remediation Bessemer Park is considered suitable for use and is no longer considered as 'Contaminated Land'.

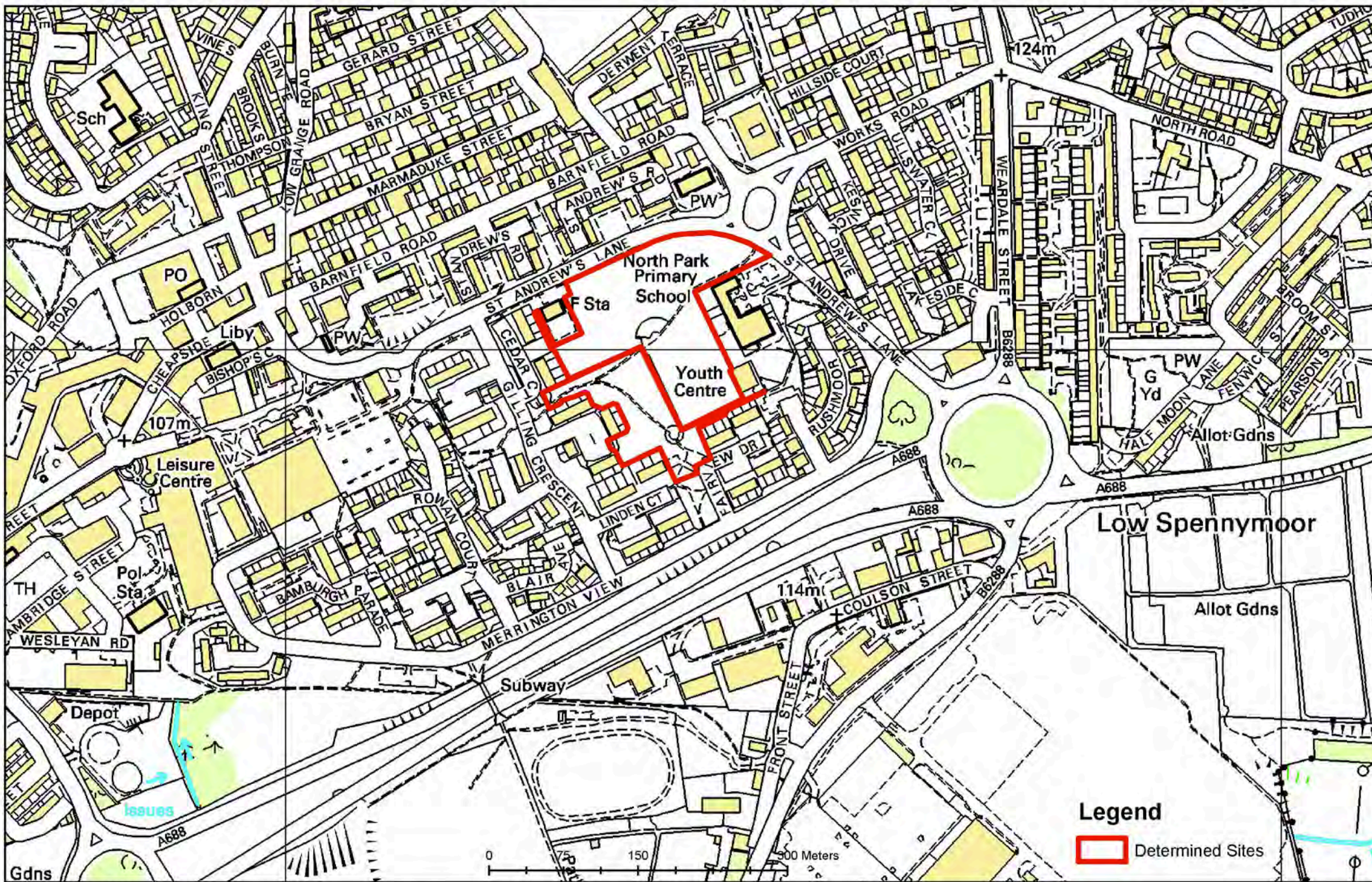
### **Appendices**

Appendix 1: Full Site Location Plan

Appendix 2: CLD/001, as amended by CLD/001a - Notice of Determination, Site Plan, Remediation Statement

Appendix 3: CLD/002, as amended by CLD/002a - Notice of Determination, Site Plan, Remediation Statement

## Appendix 1: Full Site Location Plan



GeoEnviron Ref: N/A  
 Grid Ref: 426367 534001  
 © Crown Copyright and database rights 2013.  
 Ordnance Survey LA 100049055

Site Name: Bessemer Park, Spennymoor (A and B)  
 Notes:

Current Land Use: Open Space



Appendix 2: CLD/001, as amended by CLD/001a - Notice of Determination, Site Plan, Remediation Statement

**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**

**SECTION 78 – PART IIA**

**RECORD OF THE DETERMINATION OF LAND AS BEING  
CONTAMINATED**

Under the provisions of section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgefield Borough Council have identified that land at:

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

within the boundary marked in red on the attached (Plan 1) and referred to thereafter as “this land”, is “contaminated land” under the definition within section 78A(2) of the above Act in that:

Sedgefield Borough Council have identified contaminants, relevant pathways and receptors that exist in respect to the current use of this land and are satisfied that these pollution linkages represent a significant possibility of significant harm being caused to those receptors.

This determination is based on the following evidence; itself considered with due regard to the requirements of the Statutory Guidance contained within DETR circular 02/2000, Contaminated Land Report 11 and the Local Authority Guide to the Application of Part IIA.

1. The significant pollution linkages identified are as follows:

Linkage 1	
Contaminant:	<b>Lead</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

Linkage 2	
Contaminant:	<b>Benzo(a)pyrene</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation

Receptor:	Users of the open space
Linkage 3	
Contaminant:	<b>Dibenzo(ah)anthracene</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

2. This determination is based on the following:
  - 2.1 Bessemer Park was formally the site of an iron/steel works, a coke works and other associated activities. The site was cleared during the 1950s-60s, but little or no remediation of the site was carried out.
  - 2.2 Investigations into the open space have shown that considerable levels of materials, left over from the original use of the site, are found within the made ground. WA Fairhurst assessed these levels on behalf of the landowner, Durham County Council, in 2004. Based on a theoretical, conservatively modeled, quantitative risk assessment it has been decided that the pollutant linkages listed above are significant and therefore to determine the site as Contaminated Land under section 78A(2) of the Environmental Protection Act, 1990, as amended. Whilst there is no evidence of harm occurring at present, there is a significant possibility that significant harm may occur at some stage in the future.
  - 2.3 Further investigations were carried out on behalf of Sedgefield Borough Council into the potentially contaminated groundwater that was known to exist within the site. However, no significant pollution linkages were identified in this study.
3. Sedgefield Borough Council is satisfied that all relevant and available evidence supporting the determination is appropriate and representative of the site. In this case, third-party assessment of the WA Fairhurst by the Department of the Environment, Food and Rural Affairs has concluded that the WA Fairhurst report meets these criteria.
4. Summary
  - 4.1 Sedgefield Borough Council has been provided with information that identifies, through the principals of risk assessment, that land within its administrative area meets the definition of contaminated land with section 78A(2) of the Environmental Protection Act, 1990, as amended.

- 4.2 The Risk Assessment report has been independently assessed and is considered an accurate representation of the uses of, and the risks presented by, the site.
  - 4.3 Further information on the groundwater conditions of the site has been gathered and no pollution linkages are identified through this medium.
  - 4.4 Sedgefield Borough Council is now in possession of sufficient information to characterise the site and no further pollution linkages are thought to exist on this land.
  - 4.5 These linkages are derived from current techniques and procedures.
5. Date of determination:

13<sup>th</sup> July 2006

Signed: \_\_\_\_\_

Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

6 References:

- 6.1 Environmental Protection Act (1990), as amended.
- 6.2 Department of the Environment, Transport and the Regions, Circular 02/2000, HMSO, 2000.
- 6.3 WA Fairhurst & Partners, Land at Bessemer Park, Spennymoor. Quantitative Risk Assessment Report, Document reference D/I/D51323/01C, 2004.
- 6.4 Environment Agency, Contaminated Land Report 11: Model Procedures for the Management of Land Contamination, Environment Agency, 2005.
- 6.5 Local Authority Guide to the Application of Part IIA of the Environmental Protection Act 1990, 2001.
- 6.6 F.W.S. Consultants Ltd., Hydrogeological Site Investigation and Evaluation of Groundwater Contamination, Bessemer Park Open Space, Spennymoor, November 2004.

**Besemer Park  
Area of Land  
Determined as  
Contaminated Land**

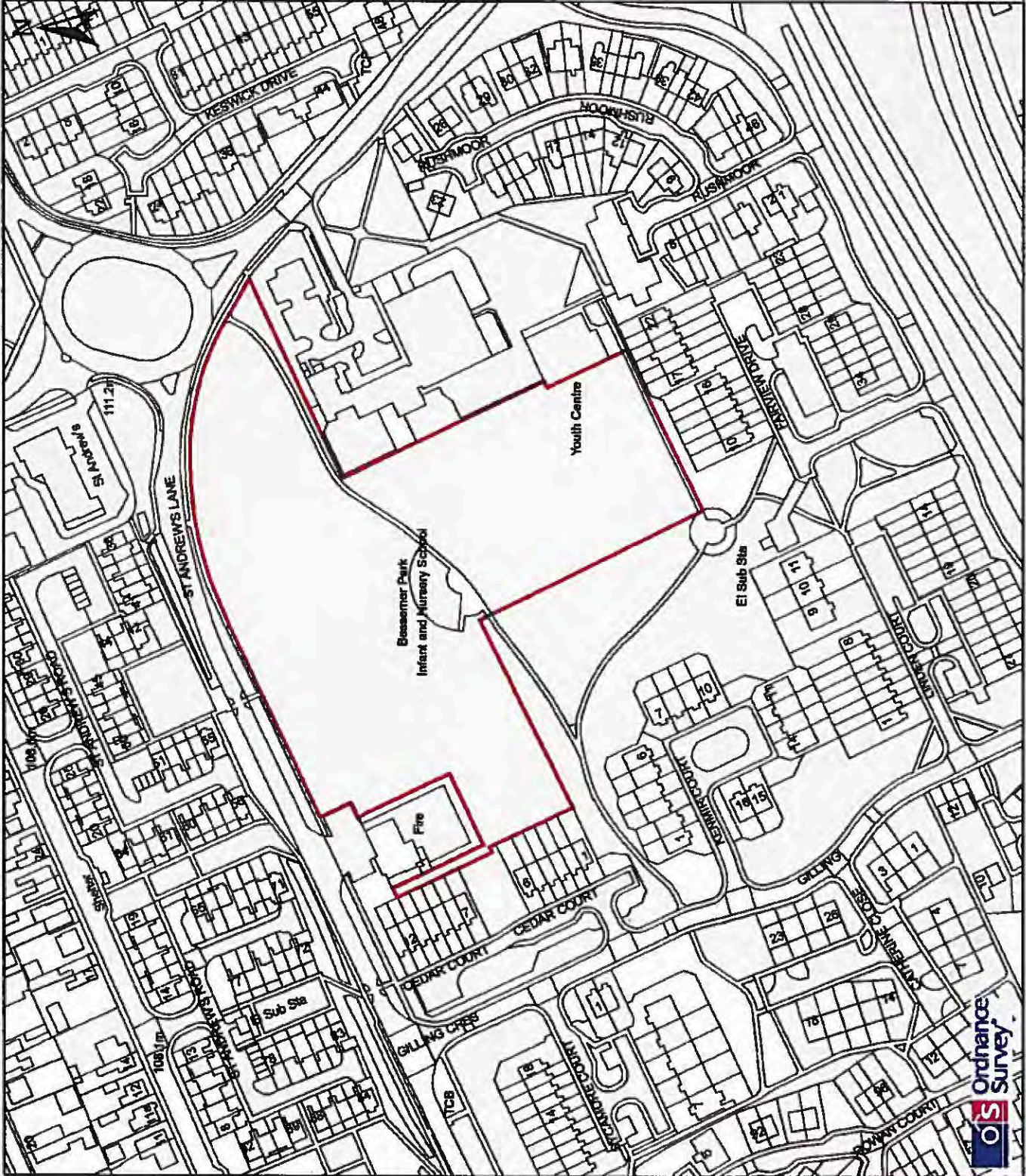


Ref: CLD/001

1:2,000



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**SEDGEFIELD BOROUGH COUNCIL**  
**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**  
**AMENDMENT TO THE RECORD OF DETERMINATION OF**  
**LAND AS BEING CONTAMINATED**

Under the provisions of Section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgefield Borough Council hereby make the following amendment to the following Notice:

**Ref: CLD/001. (Copy Attached)**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following amendments to the Notice CLD/001 shall be applied with immediate effect:

**1. In Paragraph 2, Page 1 of 5, Replace the words:**

‘within the boundary marked red on the attached (Plan 1)’

**With:**

‘within the boundary marked red on the attached (Plan 1a)’

**2. In Page 5 of 5, Substitute:**

Plan 1

**With:**

Plan 1a, attached to this notice

Signed: \_\_\_\_\_

Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

**SEDFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**REMEDATION STATEMENT**

**Site Ref: CLD/001, as amended by CLD/001a**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following details are supplied under Section 78H (7) of the above named legislation, subject to Section 78H (5) a Remediation Notice was not required for this site.

- a. Works shall be carried out on site in line with the proposals supplied in the following documents:

WA Fairhurst & Partners (2004) Land at Bessemer Park, Spennymoor.  
Quantitative Risk Assessment Report, Document Reference:  
D/I/D51323/01C, 2004. as amended.

- b. The persons and / or organisation specified below are responsible for ensuring that works are carried out to a satisfactory standard:

Environment Department  
Durham County Council  
County Hall  
Durham  
DH1 5UL

- c. Works are scheduled to be completed by 31<sup>st</sup> July 2007.



Appendix 3: CLD/002, as amended by CLD/002a - Notice of Determination, Site Plan, Remediation Statement

**SEDFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**

**SECTION 78 – PART IIA**

**RECORD OF THE DETERMINATION OF LAND AS BEING  
CONTAMINATED**

Under the provisions of section 78 of the Environmental Protection Act 1990, associated statutory instruments, regulations and guidance, Sedgfield Borough Council have identified that land at:

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

within the boundary marked in red on the attached (Plan 1) and referred to thereafter as “this land”, is “Contaminated Land” under the definition within section 78A(2) of the above Act in that:

Sedgfield Borough Council have identified contaminants, relevant pathways and receptors that exist in respect to the current use of this land and are satisfied that these pollution linkages represent a significant possibility of significant harm being caused to those receptors.

This determination is based on the following evidence; itself considered with due regard to the requirements of the Statutory Guidance contained within DETR circular 02/2000, Contaminated Land Report 11 and the Local Authority Guide to the Application of Part IIA.

1. The significant pollution linkages identified are:

Linkage 1	
Contaminant:	<b>Lead</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

Linkage 2	
Contaminant:	<b>Benzo(a)pyrene</b> found within the “Upper made ground” of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation

Receptor:	Users of the open space
Linkage 3	
Contaminant:	<b>Dibenzo(ah)anthracene</b> found within the "Upper made ground" of the Open Space
Pathways:	Intake to body via dermal contact, soil ingestion and dust inhalation
Receptor:	Users of the open space

2. This determination is based on the following:
- 2.1 Bessemer Park was formally the site of an iron/steel works, a coke works and other associated activities. The site was cleared during the 1950s-60s, but little or no remediation of the site was carried out.
- 2.2 Investigations into the open space have shown that considerable levels of material left over from the original use of the site are found within the made ground of the site. F.W.S Consultants Ltd. assessed the nature, distribution and mobility of contaminants on the area of Bessemer Park owned by Sedgefield Borough Council. This investigation indicated that levels of contaminants within the topsoil and made ground, found on the site owned by Sedgefield Borough Council, were generally similar to those found on the adjacent area of land owned by Durham County Council and modelled in the W A Fairhurst Quantitative Risk Assessment Report.

Due to the contaminants of concern being present in similar concentrations for both the Sedgefield Borough Council and Durham County Council areas of land, the Quantitative Risk Assessment produced by W A Fairhurst was adopted as a Risk Assessment for the Local Authorities area of land. This has been confirmed as an appropriate practice by DEFRA. The W A Fairhurst report, based on a theoretical, conservatively modelled, quantitative risk assessment found that the contaminants listed above existed at concentrations that made the site contaminated land under section 78(2) of the Environmental Protection Act, 1990, as amended. Whilst there is no evidence of harm occurring at present, there is a significant possibility that significant harm may occur at some stage in the future.

- 2.3 Further investigations were carried out by FWS Consultants Ltd., on behalf of Sedgefield Borough Council, into the potentially contaminated groundwater that was known to exist within the site; no significant pollution linkages were identified in this study. A further Detailed Quantitative Risk Assessment was recommended in the study by FWS Consultants Ltd., into the potential contaminants in the groundwaters on the Sedgefield Borough Council area of Land. Sirius Geotechnical and Environmental Ltd. carried out the detailed Quantitative Risk

Assessment; this assessment concluded that the risks posed to groundwaters were negligible.

3. Sedgefield Borough Council are satisfied that all evidence supporting the determination is appropriate and representative of the site. In this case, third-party assessment of the WA Fairhurst by the Department of the Environment, Food and Rural Affairs has concluded that the WA Fairhurst report meets these criteria.

4. Summary

- 4.1 Sedgefield Borough Council has been provided with information that identifies, through the principals of risk assessment, that land within its administrative area meets the definition of contaminated land with section 78A(2) of the Environmental Protection Act, 1990, as amended.
- 4.2 The Risk Assessment report has been independently assessed and is considered an accurate representation of the uses of, and the risks presented by, the site.
- 4.3 Further information on the groundwater conditions of the site has been gathered and no pollution linkages are identified through this medium.
- 4.4 Sedgefield Borough Council is now in possession of sufficient information to characterise the site and no further pollution linkages are thought to exist on this land.
- 4.5 These linkages are derived from current techniques and procedures.

5. Date of determination:

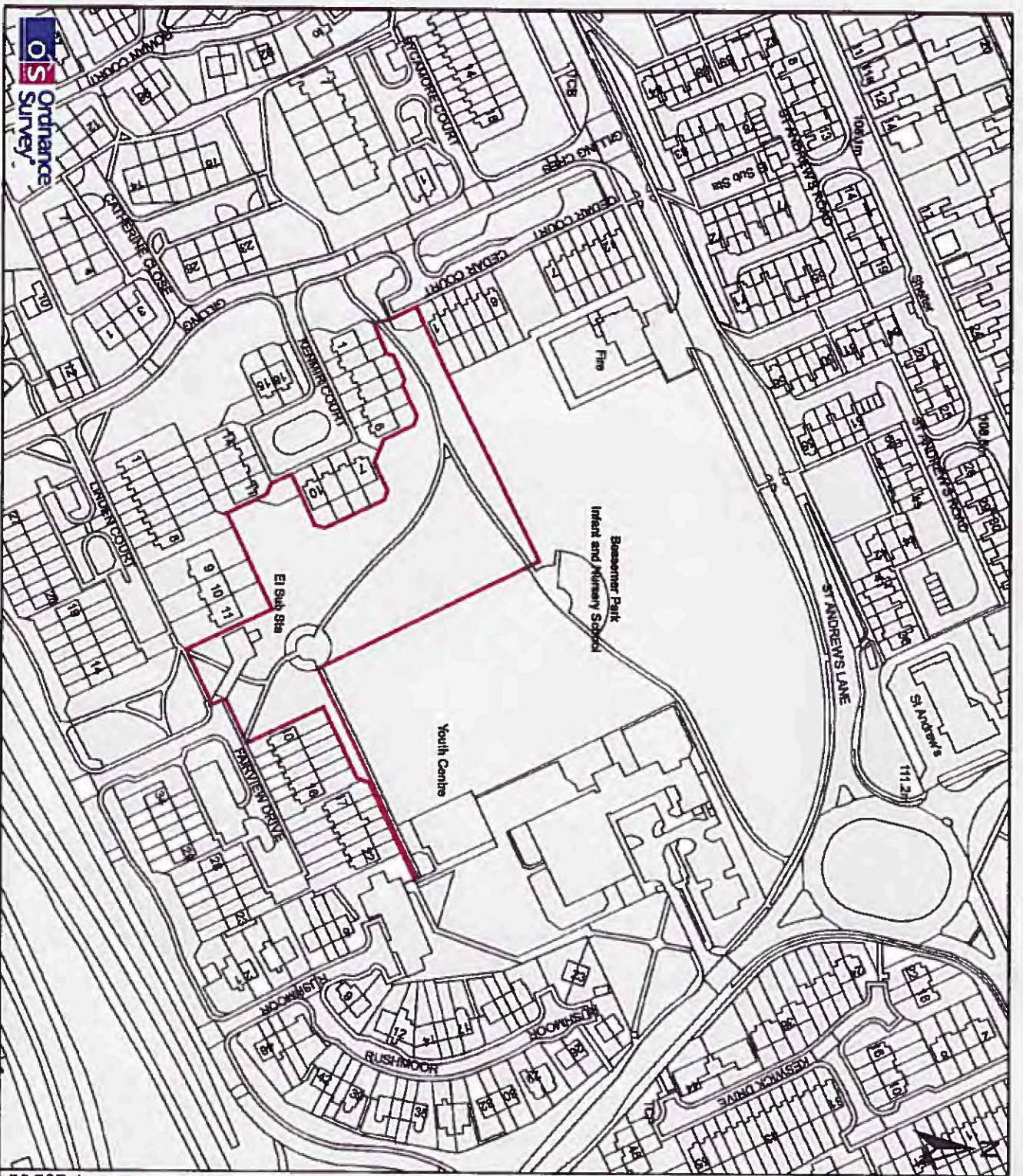
13<sup>th</sup> July 2006

Signed: \_\_\_\_\_

Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgefield Borough Council

Date: \_\_\_\_\_

6. References:
  - 6.1 Department of the Environment, Transport and the Regions, Circular 02/2000, HMSO, 2000.
  - 6.2 WA Fairhurst & Partners, Land at Bessemer Park, Spennymoor. Quantitative Risk Assessment Report, Document reference D/I/D51323/01C, 2004.
  - 6.3 Environment Agency, Contaminated Land Report 11: Model Procedures for the Management of Land Contamination, Environment Agency, 2005.
  - 6.4 Local Authority Guide to the Application of Part IIA of the Environmental Protection Act 1990, 2001.
  - 6.5 F.W.S. Consultants Ltd., Hydrogeological Site Investigation and Evaluation of Groundwater Contamination, Bessemer Park Open Space, Spennymoor, November 2004.
  - 6.6 F.W.S. Consultants Ltd., Desk Study, Site Investigation and Assessment of Potential Contamination of the Bessemer Park Open Space Site, Spennymoor, August 2005.
  - 6.7 Sirius Geotechnical and Environmental Ltd., Detailed Quantitative Risk Assessment for Land at Bessemer Park, Spennymoor. March 2006.



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**Bessemer Park**  
**Area of Land**  
**Determined as**  
**Contaminated Land**

 **SBC Land**

Ref: CLD/002

1:2,000

**SEDFIELD BOROUGH COUNCIL**  
**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**  
**AMENDMENT TO THE RECORD OF DETERMINATION OF**  
**LAND AS BEING CONTAMINATED**

Under the provisions of Section 78 (Part IIA) of the Environmental Protection Act 1990, as amended, associated statutory instruments, regulations and guidance, Sedgfield Borough Council hereby make the following amendment to the following Notice:

**Ref: CLD/002. (Copy Attached)**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following amendments to the Notice CLD/002 shall be applied with immediate effect:

**1. On Page 2 of 5, Remove:**

All information contained within Linkage 3

Signed: \_\_\_\_\_

Director of Neighbourhood Services  
Authorised in this position for and on behalf of Sedgfield Borough Council

Date: \_\_\_\_\_

**SEDGEFIELD BOROUGH COUNCIL**

**ENVIRONMENTAL PROTECTION ACT (1990) AS AMENDED**  
**SECTION 78 – PART IIA**

**REMEDIATION STATEMENT**

**Site Ref: CLD/002, as amended by CLD/002a**

**Bessemer Park Open Space, Bessemer Park,  
Spennymoor, County Durham**

The following details are supplied under Section 78H (7) of the above named legislation, subject to Section 78H (5) a Remediation Notice was not required for this site.

- a. Site works shall be carried out in line with the proposals supplied in the following documents:

Sirius Geotechnical and Environmental Ltd. (April 2006). Specification for the placement of clean capping material for Bessemer Park. Ref: C1426/A.

- b. The persons and / or organisation specified below are responsible for ensuring that works are carried out to a satisfactory standard:

Sedgefield Borough Council  
Council Offices  
Green Lane  
Spennymoor  
County Durham  
DL16 6JQ

- c. Works are scheduled to be completed by 31<sup>st</sup> July 2007.