



mi MURFITTS[®]
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Site Condition Report


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SITE DETAILS

Murfitts Industries Limited,
One Portbury,
Bradley Road,
Portbury,
BS20 7NZ

OPERATOR DETAILS

Murfitts Industries Limited,
Avenue One,
Letchworth Garden City,
SG6 2HU

PERMIT REFERENCE

EPR/QP3424ST

DOCUMENT REFERENCE

K18.17~09~005

ISSUE DATE

22/12/2023



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Prepared	07/12/2023	Rhianna Dawkes
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DRAWINGS

REFERENCE	TITLE	DATE
K18.17~20~001	Permit Boundary Plan	22/12/2023
K18.17~20~002	Sensitive Receptors Plan (1km)	22/12/2023
K18.17~20~003	Site Setting Plan (2km)	22/12/2023
K18.17~20~004	Site Layout Plan	22/12/2023
K18.17~20~005	FRS Access Route Plan	22/12/2023

APPENDICES

APPENDIX	TITLE
Appendix A	Groundsure Reports GS-YVF-K9C-B7J-I8H
Appendix B	Noise Impact Assessment (CJA4816)
Appendix C	ERA Tables

1. SITE DETAILS

Name of the applicant	Murfitts Industries Limited
Activity address	Murfitts Industries Limited, One Portbury, Bradley Road, Portbury, BS20 7NZ
National Grid Reference (NGR)	The site is centred at ST 50545 76070
Document reference and dates for Site Condition Report (SCR) at permit application and surrender	SCR document reference at permit application: K18.17~09~005
Document references for site plans (including location and boundaries)	Permit Boundary Plan (K18.17~20~001) Sensitive Receptors Plan (K18.17~20~002) Site Setting Plan (K18.17~20~003) Site Layout Plan (K18.17~20~004)

2. CONDITION OF THE LAND AT PERMIT ISSUE

<p>Environmental setting including:</p> <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	<p>2.1. Geology</p> <p>2.1.1. Made ground</p> <p>The site is located in an area designated as Artificial and Made Ground (Made Ground (Undivided)). The site was formerly identified as open woodland and green space, until warehousing was erected in 1971 on site and in the adjacent surrounding area.</p> <p>2.1.2. Superficial geology</p> <p>Underlying the impermeable site surface are superficial geological deposits known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.</p> <p>The superficial geological deposits below consist of River Terrace Deposits (Sand and Gravel) and Tidal Flat Deposits – Clay and Silt.</p> <p>2.1.3. Bedrock geology</p> <p>Bedrock geology is the main mass of rocks underlying the Superficial deposits, forming the Earth and is present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water. There is evidence of Mercia Mudstone being the predominant bedrock formation underlying site and was formed in the Rhaetian Age.</p> <p>2.2. Hydrogeology</p> <p>2.2.1. Superficial</p> <p>There are records of a Secondary A Aquifer on site, and an Unproductive Aquifer underlying the neighbouring commercial warehousing.</p> <p>2.2.2. Bedrock</p> <p>There is a Secondary B Bedrock Aquifer on site.</p> <p>2.2.3. Source Protection Zone</p> <p>There is no record of any Source Protection Zones within 500m of the site.</p> <p>2.3. Surface Water</p> <p>A series of surface water features are identified within 1km of the site, which largely relate to Drove Rhyne River and tributaries of this river, as well as streams and waterbodies</p>
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	<p>from Avon Bristol and North Somerset Streams. The full list is included within Appendix A.</p> <p>2.4. Designated Sensitive Sites</p> <p>There are four Designated Sensitive Sites identified within 2km of the site. The closest Designated Site is a Local Wildlife Site – Drove Rhyne and Adjacent Fields (identified by EA Screening Process), located approximately 25 m South from the boundary. Local Wildlife Site – Drove Rhyne and Adjacent fields are again identified 370 m West. Severn Estuary, being a SSSI, SPA, SAC and Ramsar Site, can be located 1410 m North East, 1575 m North East and 1645 m North West from site.</p> <p>2.5. Permits and Authorisations</p> <p>Eight licensed waste sites were identified within 500 m of the site, a mixture of special waste transfer stations and physical treatment facilities.</p> <p>A further 24 exemptions were identified within 500 m of the site.</p> <p>All permits and authorisations, and available details, are depicted within Appendix A.</p>
<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>The site is located on an established industrial area, bordered by other commercial and industrial activities. The site operates upon an impermeable surface.</p> <p>There are no records of substantial pollution incidents on site. Two records of substantial pollution incidents have been recorded within 500 m of site. The first incident recorded was in 2001, and involved crude sewage materials, with on impact on air quality and only minor impacts on both land and water. The following substantial pollution incident occurred in 2003, involving Specific Waste Materials (Tyres), which had no impact on water, air or land. These are presented in full within Appendix A.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>See above. No remediation required on site.</p>
<p>Baseline soil and groundwater reference data</p>	<p>Estimated background soil chemistry levels are as follows:</p> <p>Arsenic: 15-25mg</p> <p>Lead: 100-200mg/kg</p> <p>Bioaccessible lead: 60-120mg/kg / 240-260mg/kg</p> <p>Cadmium: 1.8mg/kg / 2.2-3.0mg/kg</p> <p>Chromium: 90-120mg/kg</p>

	Nickel: 15-30mg/kg
Supporting information	<ul style="list-style-type: none">• K18.17~09~003 ERA• Appendix A Groundsure Report (GS-YVF-K9C-B7J-I8H)• Appendix B Noise Impact Assessment (CJA4816)• Appendix C ERA Tables (K18.17~09~003)

3. PERMITTED ACTIVITIES

<p>Permitted activities</p>	<p>The site operates as a waste facility in accordance with the Environmental Permitting (England and Wales) (Amendment) Regulations 2016 (as amended). The processes at the site are listed in Table 1 (below) with reference to Annex IIB of The Waste Framework Directive.</p> <p>R3 – Recycling or reclamation of organic substances which are not used as solvents, including composting and other biological transformation processes.</p> <p>R4 - Recycling or reclamation of metals and metal compounds</p> <p>R13 – Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced).</p> <p>Treatment consisting only of baling end-of-life tyres before onward dispatch for further processing at a permitted facility.</p>
<p>Non-permitted activities undertaken</p>	<p>N/A</p>
<p>Document references for:</p> <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	<p>Permit Boundary Plan (K18.17~20~001) Sensitive Receptors Plan (K18.17~20~002) Site Setting Plan (K18.17~20~003) Site Layout Plan (K18.17~20~004)</p> <p>Environmental Risk Assessment (K18.17~09~003)</p>

4. CHANGES TO THE ACTIVITY

Have there been any changes to the activity boundary?	
Have there been any changes to the permitted activities?	
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	
Checklist of supporting information	

5. MEASURES TAKEN TO PROTECT LAND

Checklist of supporting information	
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6. POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION

Checklist of supporting information	
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7. SOIL GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)

Checklist of supporting information	
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8. DECOMMISSIONING AND REMOVAL OF POLLUTION RISK

Checklist of supporting information	

9. REFERENCE DATA AND REMEDIATION (WHERE RELEVANT)

Checklist of supporting information	

10. STATEMENT OF SITE CONDITION

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