



Crimplesham Inert Landfill Site

Environmental Permit Application

Site Condition Report

September 2020

Prepared on behalf of Mick George Limited





Document Control

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EA Site Condition Report Template

1.0 Site Details	
Name of the applicant	Mick George Limited
Activity address	Crimplesham Inert Landfill Site Grange Farm Main Road Crimplesham Downham Market Norfolk PE33 9EB
National grid reference	TF 66346 03464
Document reference and dates for Site Condition Report at permit application and surrender	Application Site Condition Report (September 2020)
Document references for site plans (including location and boundaries)	P2734 D3, Rev F – Working Plan and Environmental Permit Boundary P2734 D1, Rev G – Restoration Plan TM_001, Rev B – Plant Site Layout Environmental Risk Assessment (Appendix C of the Environmental Permit Application)

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"> • geology • hydrogeology • surface waters 	<p><u>Site Setting</u></p> <p>The application site forms part of the Crimplesham Quarry site which is located approximately 855m east from the village of Crimplesham in Norfolk. The Crimplesham Quarry site comprises two areas of land that are separated by a road (Main Road) that runs through the middle. This application solely relates to the southern section of the quarry which is centred at approximate National Grid Reference (NGR) TF 66346 03464 and the environmental permit boundary is shown on Drawing Number P2734 D3, Rev F.</p> <p>Access to the application site will be achieved via an unnamed access road off Main Road which runs along the northern boundary of the application site. The immediate surroundings of the site comprise agricultural land and the nearest residential dwelling is an isolated property off Mill Lane and is located approximately 455m north of the application site.</p> <p><u>Geology</u></p> <p>According to the British Geological Survey’s (BGS) ‘Geology of Britain Viewer’, the bedrock below the site comprises Chalk of the West Melbury Marly Chalk Formation and the Gault Clay. However as per the Hydrogeological Risk assessment it is actually thought that the site lies on the edge of the lithological boundary between the Chalk and underlying Gault Formation where the Chalk formation would be at its shallowest and there is no evidence of limestone bands which would characterise the Chalk member as reported in the logs.</p> <p>The superficial deposits comprise Lowestoft Formation which will be removed as a result of the approved extraction works.</p> <p><u>Hydrogeology</u></p> <p>With reference to the Multi-Agency Geographic Information for the Countryside’s (MAGIC) website, the site is not situated within a Groundwater Source</p>



	<p>Protection Zone (GSPZ).</p> <p>According to the MAGIC website, the application site overlies a Principal Aquifer which are defined as layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage.</p> <p><u>Hydrology</u></p> <p>The nearest surface water feature to the site is an unnamed pond which is located approximately 415m south from the application site.</p> <p>According to the Flood Map for Planning Service (FMPS), the application site is not situated in an area at risk of flooding.</p> <p><u>Ecology</u></p> <p>A 'Nature and Heritage Conservation Screen' (EPR/GB3902FH/A001) was requested from the Environment Agency. The screen determines the presence of any site of nature and heritage conservation, or protected species or habitats that may be impacted by the proposal. The results of the screen did not identify any site of nature and heritage conservation, or protected species or habitats that may be impacted by the proposal.</p> <p>Reference was also made to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website which identified areas of deciduous woodland that are designated as Priority Habitats. The nearest designated Priority Habitat is Teakettle Wood which is located approximately 180m south of the application site.</p> <p>Further details of these Priority Habitats are provided in the Environmental Risk Assessment (Appendix C of the Environmental Permit Application).</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 	<p>With reference to historic maps dated from 1885 to 2009, the application site has largely comprised open agricultural land.</p> <p>In May 2009, planning permission (reference</p>



<ul style="list-style-type: none"> any visual/olfactory evidence of existing contamination evidence of damage to pollution prevention measures 	<p>C/2/2008/2006) was granted by Norfolk County Council (NCC) to allow the extraction and processing of sand and gravel to the south of the existing quarry site (i.e. the application site). Following mineral extraction, the planning permission allows the site to be restored back to agricultural land via landfilling of inert waste materials.</p> <p>In December 2014, planning permission (reference C/2/2014/2018) was granted by NCC to vary two conditions of permission C/2/2008/2006. The first condition (Condition 3), relates to amendments to the previously approved Phasing Plans. The second condition (Condition 7) concern amendments to the approved Plant Site Layout Plan. The alterations include an additional lagoon for use in the processing of mineral and the siting of a wheel cleaning facility in a different position to the approved plan.</p> <p>In January 2016, planning permission (reference C/2/2015/2038) was granted by NCC to vary two conditions (2 and 30) of permission C/2/2014/2018 which relate to the Plant Site Layout and the Phasing Plans.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>There is no evidence of historic contamination within the site boundary.</p>
<p>Baseline soil and groundwater reference data</p>	<p>None provided.</p>
<p>Supporting information</p>	<p>None provided.</p>

<h3>3.0 Permitted activities</h3>	
<p>Permitted activities</p>	<p>The proposal entails the importation of inert waste to infill and restore the quarry void that will be created following mineral extraction activities. Works will be completed in accordance with the restoration scheme (Drawing Number P2734 D1, Rev G) which was originally approved under planning permission C/2/2008/2006 and has been incorporated in to the most recent planning permission (C/2/2015/2038).</p> <p>It is considered that the proposed activities at the Crimplesham Inert Landfill Site will fall under the following Recovery and Disposal codes, provided for in</p>



	<p>Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.</p> <ul style="list-style-type: none"> D1: Deposit into or on to land.
Non-permitted activities undertaken	<p>With regards to the permitted activities that will be undertaken within the wider application site, there will be an access road located to the north of the site. This will be the primary access point to the site. The site office will be located to the north of the site as shown on the Plant Site Layout Plan (Drawing Number TM_001, Rev B) as well as the weighbridge which will be used to undertake on site verification checks of incoming wastes. Details of these checks are provided in the Operating Techniques (Appendix B of the Environmental Permit Application).</p>
<p>Document references for:</p> <ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 	<p>P2734 D1, Rev G – Restoration Plan</p> <p>TM_001, Rev B – Plant Site Layout</p> <p>Environmental Risk Assessment (Appendix C of the Environmental Permit Application)</p>

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail. These include substances that would be classified as ‘dangerous’ under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents. If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	N/A
Have there been any changes to the permitted activities?	N/A
Have any ‘dangerous substances’ not identified in the Application Site Condition Report been	N/A



used or produced as a result of the permitted activities?	
Checklist of supporting information	<ul style="list-style-type: none"> Plan showing any changes to the boundary (where relevant) Description of the changes to the permitted activities (where relevant) List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect the land

Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.

Checklist of supporting information	<ul style="list-style-type: none"> • Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures
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6.0 Pollution incidents that may have had an impact on land, and their remediation

Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.

Checklist of supporting information	<ul style="list-style-type: none"> • Records of pollution incidents that may have impacted on land • Records of their investigation and remediation
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7.0 Soil gas and water quality monitoring (where undertaken)

Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none"> • Description of soil gas and/or water monitoring undertaken • Monitoring results (including graphs)
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8.0 Decommissioning and removal of pollution risk

Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none"> Site closure plan List of potential sources of pollution risk Investigation and remediation reports (where relevant)
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9.0 Reference data and remediation (where relevant)



Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated.

If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.

Checklist of supporting information

- Land and/or groundwater data collected at application (if collected)
 - Land and/or groundwater data collected at surrender (where needed)
 - Assessment of satisfactory state
- Remediation and verification reports (where undertaken)

10.0 Statement of Condition

Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that:

the permitted activities have stopped
 decommissioning is complete, and the pollution risk has been removed
 the land is in a satisfactory condition.