

Calf Lane Quarry

784-B047041

Site Condition Report

Environmental Permit Application

Collards Environmental Ltd

August 2023

**Document prepared on behalf of Tetra Tech Limited. Registered in England number:
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DOCUMENT CONTROL

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1.0 EA SITE CONDITION REPORT TEMPLATE

1.0 Site Details	
Name of the applicant	Collard Environmental Ltd (Collard)
Activity address	Calf Lane Quarry (the site), Rye Common, Odiham, Hart, Hampshire RG29 1FW
National grid reference	SU 77350 49919
Document reference and dates for Site Condition Report at permit application and surrender	Application Site Condition Report (June 2023)
Document references for site plans (including location and boundaries)	COL/B047041/PER/01 - Site Location and Environmental Permit Boundary

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:

- geology
- hydrogeology
- surface waters

Site Setting

The site is situated within a predominantly rural area off Calf Lane approximately 2km west of Crondall. The site is centred at approximate National Grid Reference (NGR) SU 77350 49918. The application site is detailed on Drawing Number COL/B047041/PER/01.

Access to the site will be achieved by an access road located directly off Calf Lane.

The site is located within a largely rural area, the immediate surroundings of the site comprise of farmland to the south, east and west as well as residential properties to the north. The nearest residential property is located approximately 170m north of the site on Calf Lane.

Geology

According to the British Geological Survey (BGS) 'Geology of Britain Viewer' the proposed permit area consists Seaford Chalk Formation – Chalk (Bedrock Geology). This is a sedimentary bedrock formed between 89.8 and 83.6 million years ago during the Cretaceous period.

There are no superficial deposits recorded on BGS for the site.

Hydrogeology

According to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website, the Superficial Aquifer for the site comprises a Unproductive Secondary aquifer. The Bedrock Aquifer comprises a Principal Aquifer.

The MAGIC website indicates that the proposed permit area is of High/Soluble Rock Risk and is not situated within a Groundwater Source Protection Zone (GSPZ).

Hydrology

There are multiple surface water features within 1km of the site. These are: -

- Brook (355m north);
- Pond (465m (northwest); and,
- Brook off Dogmersfield Lake (690m north).

With reference to the Flood Map for Planning Service (FMPS) website, the proposed permit is situated in a Flood Zone 1 area. As defined on the FMPS website, Flood Zone 1 areas

	<p>comprise land assessed as having a low probability of flooding from rivers and the sea.</p> <p><u>Ecology</u></p> <p>A 'Nature and Heritage Conservation Screen' was requested from the Environment Agency. The results of the screen (EPR/RP3225SK/P001) are provided in the Environmental Risk Assessment (Appendix D) of the Environmental Permit application). The results of the screen identified the following: -</p> <p>The results of the screen are appended in the Environmental Risk Assessment (Appendix D of the main application) and the Receptor Plan (Drawing Number COL/B047041/REC/01).</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>With reference to historic maps dated from 1900 to present, the following activities were identified on the site and the surrounding area: -</p> <p>1870-1970: The area within the permit boundary is observed as a chalk pit. There is a secondary chalk pit the east of the site. The surrounding area is agricultural in nature</p> <p>1970-1990: The area within the permit boundary is classed as a disused pit.</p> <p>1990- Present Day: The site has been operational under the environmental permit (EPR/FP3393EF and EAWML 83055) which allowed the operation of a waste transfer station.</p> <p>There is no visual olfactory evidence of contamination on site within the Environmental Permit Boundary. However, the historical land use of the site for the purpose which this application relates may have led to isolated hot spots of contamination from leaks and spills associated with plant and delivery vehicles on site.</p>
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	There is no visual or olfactory evidence of any pollution within the current permit area.
Baseline soil and groundwater reference data	None provided.
Supporting information	None provided.

3.0 Permitted activities

Permitted activities	Collard recently brought the site from C.G Comley and Sons Ltd and a permit transfer application was submitted. However, during the process of determination of the transfer application, C.G Comley and Sons Ltd was put into
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	<p>liquidation by the company administrator with the effect of cancelling the existing permit for the site.</p> <p>The site was previously regulated under an environmental permit (EPR/FP3393EF and EAWML 83055) which allowed the operation of a waste transfer station.</p> <p>A meeting has subsequently been held with the Environment Agency to discuss next steps. At this meeting it was determined that a new permit application is required to be submitted in order to operate the site in the future.</p> <p>Consequentially, Collards are seeking to apply for a new bespoke permit for the operation of a Waste Transfer Facility that will process a maximum of 100,000 tonnes per annum of both hazardous and non-hazardous waste.</p> <p>The proposed treatment activities will be undertaken as waste operations and will comprise the following R and D Codes provided in Annex II to Directive 2008/98/EC: -</p> <ul style="list-style-type: none"> • R3 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes); • R4 - Recycling/reclamation of metals and metal compounds; • R5 - Recycling/reclamation of other inorganic materials; • R13 - Storage of waste consisting of materials for submission to any operation numbered R1 to R12, but excluding temporary storage pending collection on the site where it is produced; • R13 - Waste Refrigerators; • R13 - Waste Oils; • D15 - Asbestos and Asbestos containing waste and other Hazardous Wastes; and, • D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced).
<p>Non-permitted activities undertaken</p>	<p>There will be no non-permitted activities undertaken within the permit area.</p>
<p>Document references for:</p> <ul style="list-style-type: none"> • plan showing activity layout; and 	<p>COL/B047041/PER/01 - Environmental Permit Boundary</p> <p>COL/B047041/LAY/01- Site Layout Plan.</p>

<ul style="list-style-type: none"> environmental risk assessment. 	Environmental Risk Assessment - (Appendix D of the Environmental Permit Application)
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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 Existing Activities	
<ul style="list-style-type: none"> Have there been any changes to the activity boundary? 	N/A
<ul style="list-style-type: none"> Have there been any changes to the permitted activities? 	Collards are applying for a new bespoke permit for the Chalk Lane Quarry site that was previously operated under the Environmental Permit EPR/FP3393EF and EAWML 83055. Collards are not proposing any changes to the activities occurring on site however the client is applying for a new permit at the site as explained in Section 3.0.
<ul style="list-style-type: none"> Have any ‘dangerous substances’ not identified in the Application Site Condition Report been used or produced as a result of the permitted activities? 	N/A
<ul style="list-style-type: none"> Checklist of supporting information 	<ul style="list-style-type: none"> Application Forms (Appendix A); Pre-Application Discussion (Appendix B); Operating Techniques (Appendix C); Environmental Risk Assessment (Appendix D); Fire Prevention Plan (Appendix E); Noise Management Plan (Appendix F); Dust Management Plan (Appendix G); Site Condition Report (Appendix H); Non-Technical Summary; COL/B047041/REC/01 – Environmental Receptor Plan; COL/B047041/PER/01 - Environmental Permit Boundary; COL/B047041/LAY/01- Site Layout; and, COL-B047041-DRA-01 – Drainage Plan.

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.

	<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.
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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	<ul style="list-style-type: none"> • 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)
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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.