

# Appleford Recycling Facility

784-B066441

## Operational Noise Management Plan

Environmental Permit Variation Application

Hanson Quarry Products Europe Ltd

July 2024

Document prepared on behalf of Tetra Tech Environment Planning Transport Limited. Registered in England number: 03050297

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Environmental Receptor Plan - APP/B066441/REC/01

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Appendix A – Example Weekly Noise Checklist

Appendix B – Noise Complaint Investigation Form

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## 1.0 Introduction

### 1.1 Report Context

- 1.1.1 This Operational Noise Management Plan (ONMP) has been prepared on behalf of, Hanson Quarry Products Europe Ltd (Hanson) to support an Environmental Permit Variation Application for a Soil Washing Facility at Appleford Recycling Facility (the site) located at Site 1, Sutton Courtenay Quarry, Appleford, Abingdon, Oxfordshire, OX14 4PP and to reduce the risk of long-term operational noise impacts associated with the development.
- 1.1.2 Hanson currently hold a Bespoke Environmental Permit (EPR/GB3934AC) for the site which was issued in September 2012. The permitted activities comprise of the treatment of wastes consisting of sorting, separation, screening, crushing, and blending of waste for recovery as soil, soil substitute or aggregate. The site accepts less than 200,000 tonnes of non-hazardous waste per annum.
- 1.1.3 Hanson are seeking to vary the existing Environmental Permit to add a soil washing facility that will process a maximum of 400,000 tonnes per annum of non-hazardous soils. Hanson also seek to extend the permit boundary to include the area to the northwest as shown on Drawing Number APP/B066441/PER/01.
- 1.1.4 Activity on site will entail the use of the following plant and equipment: -
- Front end loading vehicle (FEL);
  - 360 grab excavator;
  - Mobile screener;
  - Mobile crusher;
  - Tractor bowser;
  - Telehandler;
  - Hopper;
  - Conveyor;
  - Over band magnet;
  - Log washer;
  - Gravel sizing screen; and,
  - Hydrocyclone / filter press
- 1.1.5 All equipment will be used externally and within the permitted operating hours.

- 1.1.6 The general methods of reducing and managing operational noise are presented within this ONMP. These methods are intended to control noise associated with site operations and to provide a method of communication between local residents and the site operator (Hanson), should site operations noise cause noise disturbance to local residents.
- 1.1.7 A site layout plan is shown on Drawing Number APP/B066441/LAY/01.

## 1.2 Responsibility For the Implementation of the ONMP

- 1.2.1 The implementation and dissemination of this ONMP will be the responsibility of the Site Manager, supported by other staff. The Site Manager can delegate certain tasks as required, although ultimate responsibility will remain with them.
- 1.2.2 A nominated deputy will be appointed for all times when the Site Manager is not on site. In such circumstances, it will be the nominated deputy's responsibility to ensure that the requirements of the ONMP are adhered to.
- 1.2.3 All site staff will receive instructions on how the plan is to be implemented during toolbox talks on site.
- 1.2.4 This document forms part of the Site's Environmental Management System (EMS) and will be reviewed on an annual basis to ensure that it is fit for purpose and meets the requirements of current guidance.

## 1.3 Site Setting

- 1.3.1 The site is located approximately 1km southwest of the village of Appleford on the south bank of the River Thames in Oxfordshire and is centred at approximate National Grid Reference (NGR) SU 51673 93244. As Hanson are seeking an extension, the NGR including the proposed extension area is SU 51556 93431. The application site is detailed on Drawing Number APP/B066441/PER/01.
- 1.3.2 The site is an existing recycling facility known as Appleford Recycling Facility which operates under a Bespoke Environmental Permit (reference EPR/GB3934AC). The north, east and south of the site are bordered by rural land and the west of the site is bordered by additional industrial activities. The site is also located approximately 4.4km west of Little Wittenham's area of Outstanding Natural Beauty and 5km west of the designated Site of Special Scientific Interest (SSSI) of Little Wittenham.
- 1.3.3 Access to the site is achieved via the B4016 access road which leads off the A4130.

## 2.0 Operations

### 2.1 Permitted Activities

#### Physical Treatment Facility

- 2.1.1 Hanson are currently operating a Physical Treatment Facility under a Bespoke Environmental Permit which allows for the treatment of waste consisting only of sorting, separation, screening, crushing, and blending of waste for disposal or for recovery as a soil, soil substitute or aggregate. This activity accepts less than 200,000 tonnes per annum to site.
- 2.1.2 It is proposed that this activity is retained as part of the variation to the environmental permit.
- 2.1.3 The operation of the waste transfer station will fall under the following Recovery and Disposal codes (R and D codes) shown in Table 1, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

**Table 1: Permitted R&D Codes**

R/D Code	Description of Activity
R3	Recycling/ reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic compounds
R13	Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

#### Soil Washing Facility

- 2.1.4 It is now the intention of Hanson to vary the Environmental Permit to add a Soil Washing Facility to the permitted activities on site.
- 2.1.5 The soil washing facility will be located to the north of the permitted area and will be to create recycled aggregates, soils and clays which are suitable for use in construction projects.
- 2.1.6 The proposal entails the operation of a soil washing facility that will process a maximum of 400,000 tonnes per annum of non-hazardous soils.
- 2.1.7 It is considered that the proposed soil washing activity will fall under the following Recovery and Disposal codes (R and D codes) shown in Table 2, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19<sup>th</sup> November 2008 Waste.

**Table 2: Proposed Soil Washing Facility R&D Codes**

R/D Code	Description of Activity
R3	Recycling/ reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic compounds
R13	Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

## 2.2 Waste Quantities

### Physical Treatment Facility

- 2.2.1 The existing permitted physical treatment facility has an annual throughput of less than 200,000 tonnes.

### Soil Washing Facility

- 2.2.2 The proposed soil washing facility will have an annual throughput of 400,000 tonnes.

### Storage Capacity

- 2.2.3 There will be a maximum storage capacity of 300kt of untreated materials.
- 2.2.4 There will be a maximum storage capacity of 350kt of treated materials.

## 2.3 Process Description

- 2.3.1 The activities that will be undertaken at the site are described below and have been split into distinct activities.

### Physical Treatment Facility

- 2.3.2 Under the current environmental permit Hanson operate a Physical Treatment Facility at the site. It is the intention of Hanson to retain this activity on site under the varied permit.
- 2.3.3 Vehicles delivering waste loads will enter the site via the weighbridge, where the waste acceptance procedures mentioned above will be undertaken. If the waste is deemed acceptable, the driver will be directed to the waste treatment area as shown on the Site Layout Plan (Drawing Number APP/B066441/LAY/01).
- 2.3.4 Waste will only be handled by competent staff.

- 2.3.5 A variety of waste treatment methods will be applied on site which is subject to the nature of the waste. Depending on the particle size of the material, a crusher may be employed to crush the waste and processed via a screener a second time to reduce the particle size of the material. Alternatively, wastes that originally comprise finer particles will not require crushing and therefore will only be processed via a screener.
- 2.3.6 Following treatment, the waste will be unloaded into clearly defined stockpiles located adjacent the waste treatment area. Processed materials will be stored on the existing site hardstanding.
- 2.3.7 Products produced will be in accordance with the relevant End of Waste Protocol. The resultant materials will be tested in accordance with the WRAP Quality Protocol in order to determine whether they have met end of life test and as such cease to be classified as waste. These materials will be stored on hardstanding.
- 2.3.8 The results of the testing will determine the destination of the material in accordance with the relevant End of Waste Protocol. Outputs from the Physical Treatment Facility will be classed as products. However, any waste from the site will be categorised as set out in WM3 in accordance with Section 5.1 of the Appropriate Measures.
- 2.3.9 All treatment and storage activities will occur on made ground.

#### Soil Washing Facility

- 2.3.10 Upon arrival, all loads will be inspected by site management and any large or nonconforming materials will be removed prior to treatment. All stockpiles on site will be stored in a loose form. All soil washing activities will be undertaken on hard standing.
- 2.3.11 Materials will be fed into a hopper with the assistance of mobile plant and will then travel along a conveyor, at which point any small pieces of metal which may be present within the waste loads will be removed using an overband magnet.
- 2.3.12 Any oversize materials (particles 100mm - 150mm) will be removed via a screener subject to materials feed.
- 2.3.13 The remaining waste material, varying in size depending on market demands, will then travel along a log washer where it will be sprayed with wash water. After passing along the log washer, the clean waste materials will be separated into smaller fractions via a gravel sizing screen.
- 2.3.14 The sand and silt fraction together with most of the water passes through screen and enters a sump from where it is pumped into a hydrocyclone or plate press, which will separate the sand from any contaminants. The water will be recirculated back into the washing process.

## 2.4 Waste Storage

### Physical Treatment Facility

- 2.4.1 As per the existing permit (EPR/GB3934AC), treatment within the physical treatment facility will consist only of sorting, separation, screening, crushing, and blending of waste for recovery as a soil, soil substitute, or aggregate. EWC 10 01 01 will be stored and treated on hard-standing or on an impermeable surface with a sealed drainage system. Storage of waste for the purposes of disposal shall not exceed 50 tonnes per day.
- 2.4.2 Vehicles will be directed to discharge their loads by the designated waste transfer station operative. The suitably trained nominated members of staff will have a clearly defined role to ensure that vehicles are directed to the correct area of the site.

### Soil Washing Facility

- 2.4.3 There will be clearly designated areas for the storage and treatment processes within the soil washing facility. All soil washing treatment will be undertaken on an impermeable surface with sealed drainage.
- 2.4.4 Waste handling will be undertaken by competent staff with the assistance of mobile plant. All waste storage areas are located securely within the security protected area of the facility to restrict unauthorised access and vandalism.
- 2.4.5 All waste accepted on site comprises of non-hazardous soils, and therefore the first-in-first-out (FIFO) procedure does not need to be followed.
- 2.4.6 Storage areas, containers and infrastructure will be inspected daily to ensure there is no loss of containment. Written records of all inspections will be kept, and any spillages of waste will also be logged.
- 2.4.7 Due to the nature of the waste accepted on site, segregation procedures do not apply.

## 2.5 Noise Generating Equipment

- 2.5.1 The items contained within Table 3 below are identified as being the most significant sources of noise. An overview of the 'embedded' mitigation that is associated with the identified plant is highlighted within Table 3.

**Table 3: Noise Generating Equipment and Mitigation Overview**

Plant Item	Mitigation
<p>HGV Movements and Unloading</p>	<p>HGV’s arriving on-site will be asked to switch off engines whilst idle.</p> <p>Site access roads and service yards will be maintained and kept free of potholes and other deformities.</p> <p>Vehicle movements will be undertaken 24 hours Monday - Sunday. However, vehicle movements during the nighttime will be significantly less than during the daytime.</p> <p>Measures will be taken to reduce impulsive noise associated with deliveries, through maintenance and training. See Section 2.7 and 3.0.</p>
<p>360 grab excavator, mobile screener, mobile crusher, tractor bowser, telehandler, hopper, conveyor, over band magnet, gravel sizing screen</p>	<p>Regular maintenance of equipment and training on correct use will be provided.</p> <p>All equipment will be turned off when not in use.</p> <p>It is noted that the wind comes from a southwestern direction and the northeastern boundary of the site is immediately adjacent to open rural land.</p> <p>Additionally, the site is bound by trees and shrubbery which will provide a natural screen to noise. For more information, please see Section 2.7 and 3.3.</p>
<p>Staff Car Park</p>	<p>Training will be provided to staff about being considerate neighbours and considering noise impacts of their actions such as slamming doors or shouting.</p>
<p>Machinery (Mechanical Processing Line)</p>	<p>Regular maintenance of equipment and training on correct use will be provided.</p>

## 2.6 Operating Hours

2.6.1 The operating hours of the site are: -

- 24 hours Monday - Sunday

## 2.7 Maintenance

2.7.1 In terms of in-house maintenance, the site will utilise Planned Preventive Maintenance (PPMs) as per the manufacturer's Operation and Maintenance Manual. Corrective actions can also be raised for potential anomalies that are identified. Only personnel who are trained and licensed to operate equipment and carry out maintenance will do so.

2.7.2 All plant and equipment will be maintained in accordance with a Preventative Maintenance Program (PMP) which will be defined by the manufacturer's requirements. This will ensure that the integrity and operational efficiency of all plant and equipment is maintained and therefore minimise the risk of mechanical failure which may result in increased noise emissions.

2.7.3 In accordance with the site's EMS, all plant and equipment will be inspected on a daily basis by a nominated manager prior to use. The purpose of this inspection is to identify any signs of defects that may affect the integrity and operational efficiency of the plant.

2.7.4 In the event that a defect is identified on any item of plant or equipment, the use of the plant/equipment will be suspended until the necessary remedial works have been undertaken. In order to facilitate this, mobile plant will be isolated, and the Site Diary will be updated to outline the operational conditions and availability of all plant and equipment.

2.7.5 Once the necessary remedial works have been undertaken, the Site Diary style recording system will be updated to provide details of the defects and the remedial actions that were undertaken.

2.7.6 Management staff will undertake monthly checks, to ensure all equipment is operating efficiently and without excessive noise. Any defects or damage will be reported to the site Manager and remedied in reasonable time.

## 3.0 Noise Management

### 3.1 General Best Practice and Site Management

3.1.1 Site staff will ensure that the delivery and loading of waste takes place in a controlled manner so that noise generation is kept to a minimum. Such measures include: -

#### HGV Movements and Deliveries

- Internal roads and service yard to be maintained to avoid noise from trucks hitting from potholes, ruts etc;
- Engines to be switched off when vehicle is waiting or not in use;
- Manoeuvring should be minimised as far as practicable to avoid unnecessary revving of engines; and,
- No use of vehicle horns unless as an emergency health and safety requirement.

#### On-site Movement of Materials

- No unnecessary shouting in the external yard area; and,
- Mobile plant operators should seek to minimise drop heights and excessive banging of materials when loading/unloading.

#### Fixed Plant

- Regular inspection of plant will be undertaken;
- Ensuring that regularly maintained and appropriately silenced equipment is used; and,
- In terms of on-site employees, appropriate actions will take place with regard to the Noise at Work Regulations including the requirement for the use of ear defenders and appropriate warning notices.

3.1.2 In addition to the above, the following measures will be implemented: -

- Regular maintenance of all equipment which as a minimum are in-line with manufactures recommendations;
- Qualitative and quantitative monitoring of noise levels generated by the site operations will be carried out on a weekly basis by site staff and be recorded on the weekly checklist; and,
- Should noise issues with any on-site plant be identified, immediate steps will be taken to take the plant out of circulation (where possible) and repairs will be actioned as soon as possible to remedy the problem.

## 3.2 Weekly Checklist

- 3.2.1 The site manager, or designated person will be responsible for ensuring that weekly checks are made around the site and its externals in order to identify any unusual or unexpected sources of noise and to establish whether any unusual noise is discernible at the perimeter of the site. The noise checks will be undertaken by the designated person who will undertake site walkovers to assess the qualitative character of the sounds. The qualitative observations will be recorded on a log sheet, an example noise log sheet has been included within Appendix A.
- 3.2.2 Any abnormal noise identified must be clearly marked on the inspection form. Should noise be identified during a routine noise assessment, which, based on its characteristics and the prevailing meteorological conditions, may originate from the facility, then an immediate investigation into the source of the noise will be undertaken. Such an investigation would also be undertaken in response to any complaints that may be received.
- 3.2.3 Immediately upon detection of any abnormal noise, or receipt of any noise complaint, the following checks will be made: -
- Physical check on mobile plant;
  - Physical check on fixed plant; and,
  - Qualitative noise checks either near to the source or at the boundary of the site which can be compared with previous observations to help determine changes to the noise level.
- 3.2.4 If any anomalies to normal site settings are observed, immediate remedial action will be taken, with any anomalies and corrective actions being recorded in the site diary.
- 3.2.5 Depending on the abnormal noise identified and anticipated time of resolution, the Site Supervisor and Site Manager will determine if operations are to cease or continue until the issue has been resolved.
- 3.2.6 Site management will not solely rely on the specific weekly noise checks, as noise levels generated by the operation will be assessed on a continuous qualitative basis by the site staff present on site and any noise identified outside the regular inspections will be reported to site management for investigation.

## 3.3 Training and Ongoing Management

- 3.3.1 Staff on site (including the Site Supervisor and Manager) will be provided with training and instruction in all aspects of the respective job role and responsibilities, this includes full training on any plant and fixed equipment they will operate.
- 3.3.2 For fixed plant this will comprise of the following as a minimum: -
- The hazards/risks of the equipment, including a consideration of site-specific factors;

- The safe operation of the equipment and associated operations;
- The use of safety components;
- Lock-off procedures/procedures for cleaning, clearing blockages and maintenance;
- The safe resetting of the equipment following activation of emergency stops; and,
- Equipment specific maintenance requirements.

3.3.3 Regular checks will be undertaken by the Site Supervisor and Manager to ensure that the plant is fully functional, operating as normal and that there are no irregularities within the noise emitted from the plant. The Site Supervisor (if not the Site Manager) will generally be the Technical Competent Person for the site and will have the relevant training regarding the operation of this type of waste management site.

3.3.4 The Site Supervisor (if not the Site Manager) will generally be the Technical Competent Person for the site and will have the relevant training regarding the operation of this site.

3.3.5 As part of the staff training, site personnel will be advised of the following aspects, particularly in relation to noise: -

- The proper use and maintenance of plant and equipment to minimise noise;
- Control of Noise at Work – Occupational Noise Hazards;
- Management of environmental noise; and,
- Avoidance of unnecessary noise when carrying out manual operations and when operating plant and equipment.

3.3.6 Site staff will be trained on site on the above topics. The training provided will promote the importance of being aware of and controlling both occupational and environmental noise.

3.3.7 Staff and management training records will be kept and can be made available to the Local Planning Authority on reasonable request.

## 4.0 Reporting and Complaints Procedure

### 4.1 Investigation and Records

- 4.1.1 Any noise complaints received at the facility or via the Local Authority will be recorded and Hanson will acknowledge the complaint and conduct an appropriate investigation into the complaint. This will be both on site and at the location of the complaint, if known, to determine the significance of the noise and particular process giving rise to the complaint. Where possible, as much information and detail about the complaint will be recorded, whether this is from the relevant authority or complaint direct to site. This information will assist in the investigation and determining the source of the noise.
- 4.1.2 All complaints and queries will be logged as soon as in practicably possible. Should the complaint be received out of typical office hours, site management shall try to attend site as soon as possible to carry out an investigation dependent upon availability. An initial investigation shall be carried out at the latest on the following day after the complaint. Should the initial investigation indicate that further detailed investigation is required, the Site Manager will action the necessary additional work as quickly as reasonably possible. In this instance, the complainant, local authority, and other relevant stakeholders will be informed that additional investigative work is being undertaken and an approximate time for completion will be provided.
- 4.1.3 All complaints logged will be subject to investigation and records will be kept on site. Results of investigations into complaints would be recorded on site and reported back to the complainant or the reporting body if requested. All responses will be relayed through trained and experienced staff.
- 4.1.4 Hanson will ensure that the complainant has all the relevant contact details of the site (i.e., the Site Manager), the EA's contact details. Hanson will be in regular contact with the complainant and the EA whilst the cause of the noise is being investigated and remediated.
- 4.1.5 An evaluation of the effectiveness of the techniques used will be carried out on completion of any remedial measures and records of the above will be retained by site for future reference.

### 4.2 Non-Conformances and Complaints

- 4.2.1 Each complaint will be reviewed and assessed. If the site is identified as the source of the potential noise nuisance, an assessment shall be carried out in order to determine the source of the complaint and then the cause of the noise.
- 4.2.2 If the noise can be directly related to the site, corrective actions will be identified and programmed for remediation. Actions taken in response to any noise complaint will be recorded on a noise investigation form.
- 4.2.3 The site manager will be informed immediately of any findings of noise attributed to the site following initial observations and will authorise remedial measures to be taken. Remedial actions will be dependent on the source of the noise and may include but not limited to: -

- Resolution of noise causing issue on mobile plant; and,
- Abnormal noise identification and resolution on fixed plant equipment using either internal staff or external maintenance company.

4.2.4 Hanson will aim to remediate any noise issues from the site as quickly as possible. However, should it become evident that permanent repairs may be delayed, Hanson would aim to apply short term remedial actions to reduce the noise impact. If this is deemed unsatisfactory, Hanson will start looking at the contingency plan until long term actions can be implemented.

4.2.5 If necessary and following any complaints received, we will engage and communicate with our neighbours to improve our understanding of possible noise issues. This will include detailing the efforts being undertaken to control noise; and importantly the actions being taken in response to their complaint.

4.2.6 Hanson will operate an open communication policy with residents and businesses surrounding its sites. Should any problems associated with noise be identified (either by Hanson or through external sources), we would engage with those surrounding the site to ensure that they are kept up to date and have means of communicating with us through an appropriate communications strategy established by the communications team and in agreement with the client. This may include but are not limited to letter drops, direct contact with local residents or businesses (either by phone, email, or other contact method) and social media updates.

4.2.7 An example Noise Complaint Investigation form has been included within Appendix B.

### 4.3 Noise Complaints and Management Review

4.3.1 All complaints will be investigated immediately by the Site Management including but not limited to a review of the number of complaints, weather conditions, investigations and remediation works. If required, the Site Management Plan and Noise Management Plan shall be updated to reflect any changes made to the management procedures on site following the review.

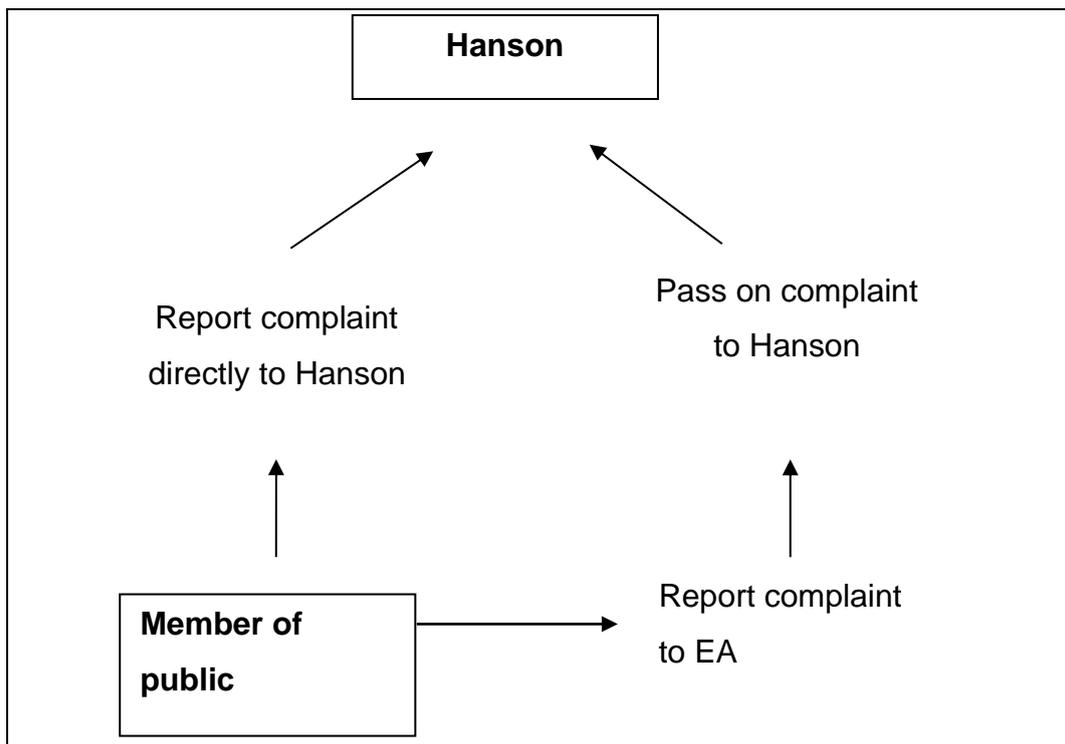
4.3.2 Site Management will review all procedures for the facility against other Hanson and management procedures as well as industry practice and guidance, along with permit conditions to ensure continued best practice is carried out at the facility. Any amendments to practices on site will be reflected in updates of the Site Management and Noise Management Plans.

4.3.3 All noise complaints will be reported to the HSE Department via the Site Manager and where applicable communicated to relevant parties within Hanson as part of the HSE department's monthly review.

### 4.4 Means of Contact

4.4.1 The site will be readily contactable to outside organisations and to members of the public. Contact details to raise queries and complaints will be made available on the company website.

**Figure 1: Reporting Route**



## 4.5 Identified Noise Sensitive Receptor Locations

4.5.1 The table below summarises the sensitive receptors most likely to be impacted by noise from the Hanson site within 1km. In the event that future monitoring of operational noise is required, it is likely that potential noise impacts on these receptors will need to be considered and monitoring locations representative of these residential receptors will need to be identified. These receptors are shown on Drawing Number APP/B066441/REC/01.

**Table 4: Location of potential receptors within 1km of the Site**

ID	Receptor	Direction from Operational Area	Minimum Distance from the Permit Application Boundary (approx. m)
<b>Domestic Dwellings</b>			
1	Skylark Fields Estate	NW	470
2	Appleford Road Estates	NW	678
3	Residential Property	S	910

4	Hartwright House	SE	710
5	House adjacent to Railway	SE	350
6	Residencies off B4016	E	285
7	Properties of Appleford	N/E	515
8	Property of B4016	NE	630
<b>Commercial and Industrial Premises</b>			
9	FCC Environment	-	On-Site
10	Heidelberg Materials Ready-mixed Concrete	-	On-Site
11	Loverose Way Industry (Didcot Power Station)	S	930
12	FCC Recycling Appleford Sidings	S	Adjacent
13	FCC Sutton Courtenay	S	Adjacent
14	AJH Vehicle Repairs	SE	860
15	Industrial and Commercial Properties of Appleford	NE	990
16	Industry (The Hawthorns)	NW	455
<b>Schools / Hospitals / Shops/Amenities</b>			
17	Shops and Amenities of the Skylark Fields Estate	NW	519
18	Shops and Amenities of Appleford	NE	635
19	Appleford Village Hall	NE	360
<b>Recreation</b>			
20	Appleford Recreation Ground and Football Field	NE	370
21	Abbingdon Music Centre	NE	875
22	Tennis Court	NE	945
<b>Highways/Minor Roads/Railways</b>			
23	B4016 Appleford Road (N)	NE	275
24	B4016 Main Road (E)	E	405
25	Railway	S	Adjacent
26	Railway	E	310
<b>Protected Habitats</b>			
27	FCC Appleford Deciduous Woodland	-	On-Site
28	FCC Sutton Courtenay Deciduous Woodland	S	Adjacent

29	Railway Deciduous Woodland	E	345
30	Bank Note Place Deciduous Woodland	NW	175
31	River Thames Deciduous Woodland	NE	975
32	Loverose Way Deciduous Woodland	S	865
<b>Listed Buildings and Scheduled Monuments</b>			
33	Elm Hayes (Grade II)	E	845
34	Road Bridge Over Railway Track (Grade II)	E	760
35	Holywell Cottage (Grade II)	NE	790
36	Manor Farm Cottages (Grade II)	NE	805
37	The Tythe Barn and Eyston Barn (Grade II)	NE	880
38	The Thatched Cottage and Attached Cob Wall (Grade II)	NE	890
39	Cob Wall Approximately 5 Metres South of Manor Farmhouse (Grade II)	NE	840
40	Sheltershed Approximately 40 Metres East South East of Manor Farmhouse	NE	950
41	Settlement site SE of church	E	750
<b>Sensitive Land Uses</b>			
42	Hill Farm	S	860
43	Appleford Community Orchard	SE	480
44	Allotments	E	355
45	Bridge Farm	NE	640
<b>Surface Water e.g. rivers and streams</b>			
46	Ponds on Industrial Site off Loverose Way (NW)	N	170
47	Heidelberg Materials Pond	W	Adjacent
48	FCC Environment Pond	-	On-site
49	Pond	N	250
50	Ponds B4016	NE/N	340
51	Fish Pond	NE	340
52	River Thames	N	915
53	Appleford Community Orchard Ponds	SE	290

54	Ponds on Industrial Site off Loverose Way (S)	S	705
55	Church Mill Road Ponds	W	500
56	Stream	W	Adjacent
57	Bank Note Place Pond	W	635

**Nature and Heritage Screening Results**

58	Deciduous Woodland	-	On-Site
----	--------------------	---	---------

**Groundwater (sensitivity)**

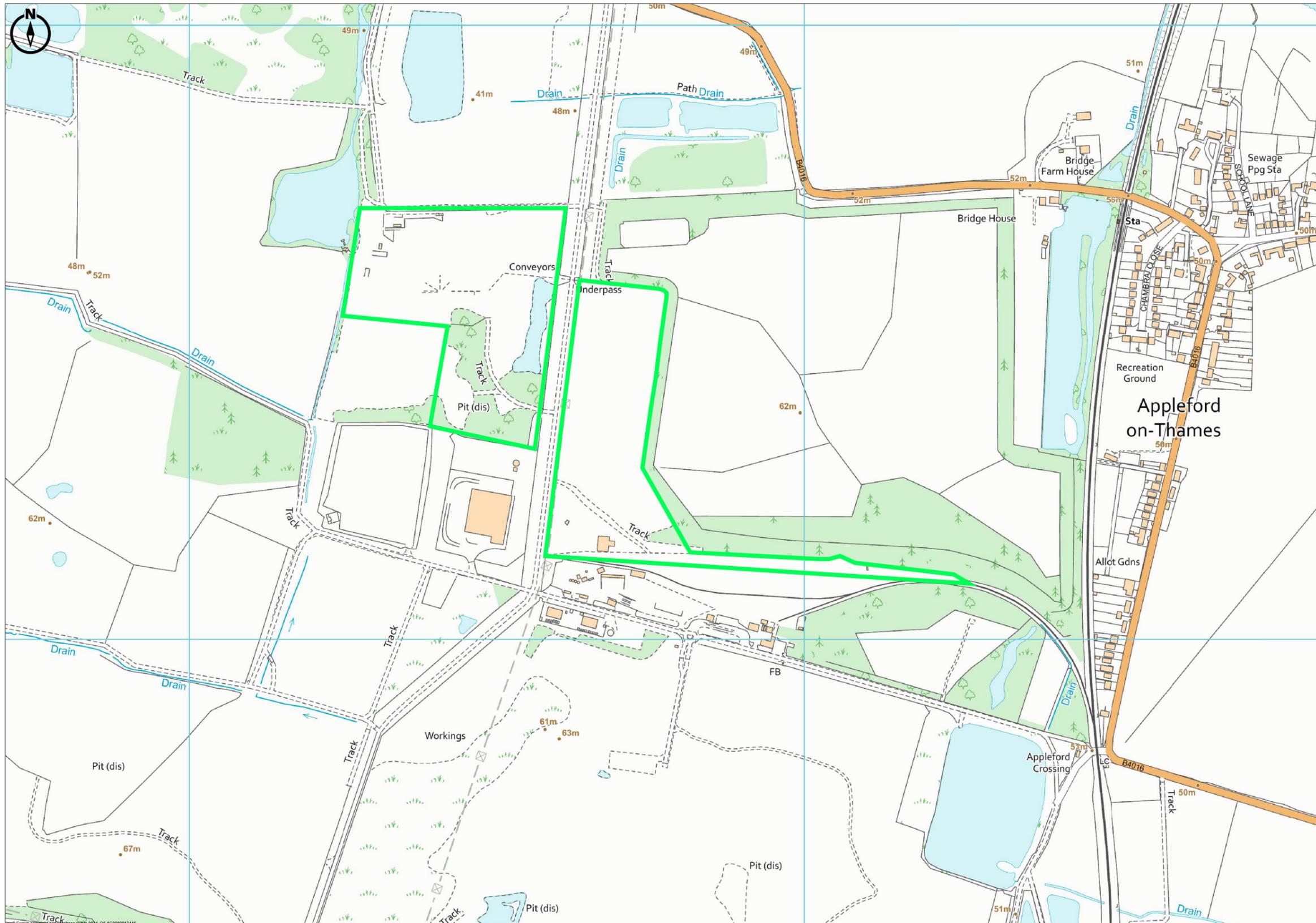
According to the Multi-Agency Geographic Information for the Countryside’s (MAGIC) website, the site is not situated within a Groundwater Source Protection Zone. The MAGIC website also indicates that the site is designated as an unproductive Bedrock Aquifer and the northern and southeastern most point of the site are indicated as being a Secondary A Superficial Drift Aquifer.

## Drawings

Permit Boundary Plan - APP/B066441/PER/01

Site Layout Plan - APP/B066441/LAY/02

Environmental Receptor Plan - APP/B066441/REC/01



Client:  
Hanson Quarry Products

Project: Appleford Recycling Facility

Title: Permit Boundary Plan

Drawing No: APP/B066441/PER/01

Created: GA

Checked: LS

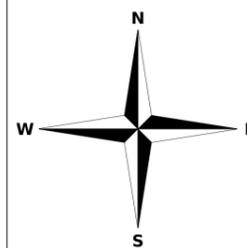
Date: 15/05/2024

Version: 1

Scale: 1:25,000

Key:

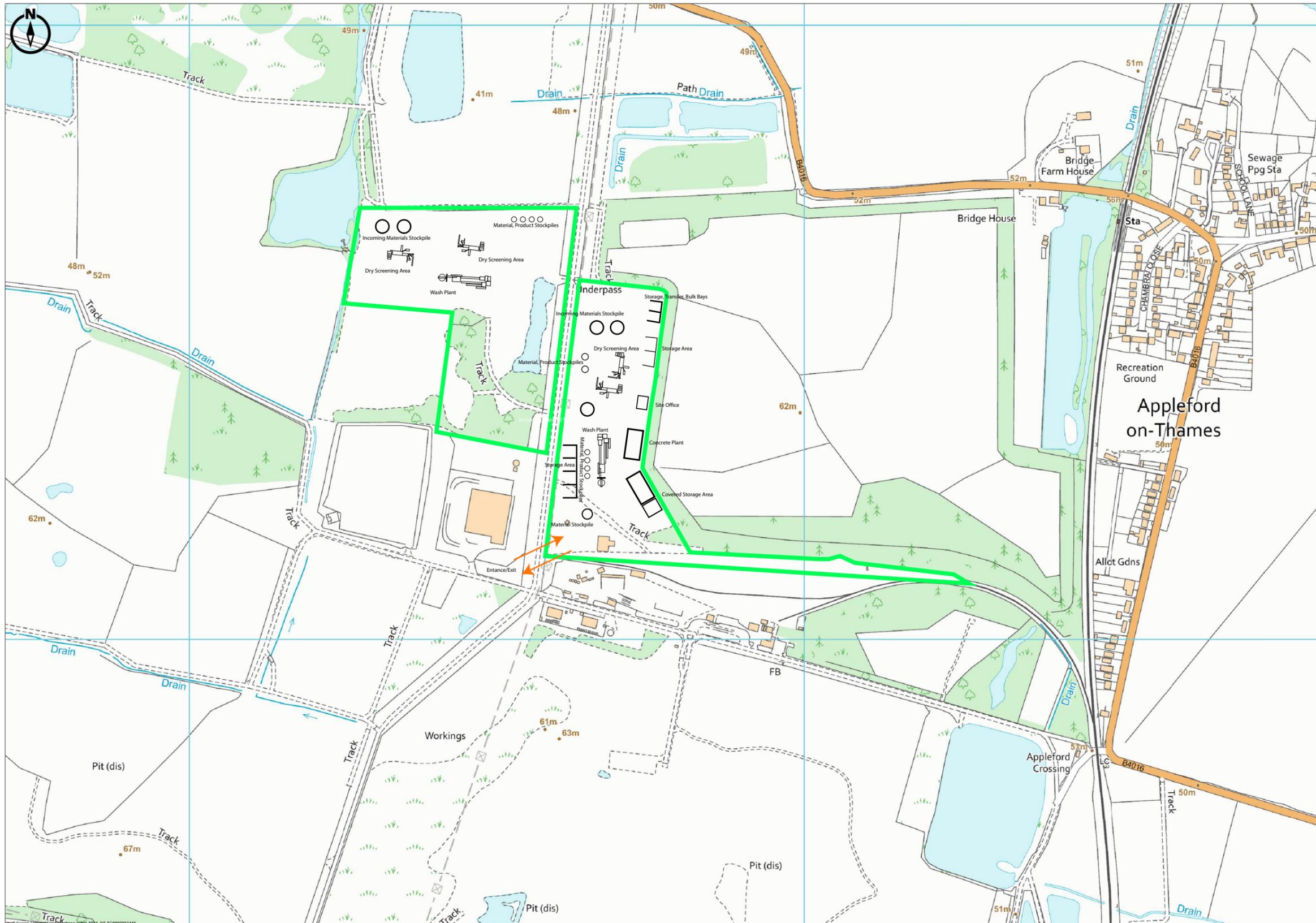
ENVIRONMENTAL PERMIT BOUNDARY



2nd Floor,  
11 York Street,  
Manchester,  
M2 2AW

+44 161 874 4659





Client:  
Hanson Quarry Products

Created: GA  
Checked: LS

Project: Appleford Recycling Facility

Date: 28/06/2024

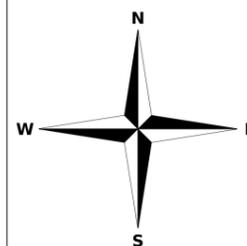
Title: Site Layout Plan

Version: 1

Drawing No: APP/B066441/LAY/01

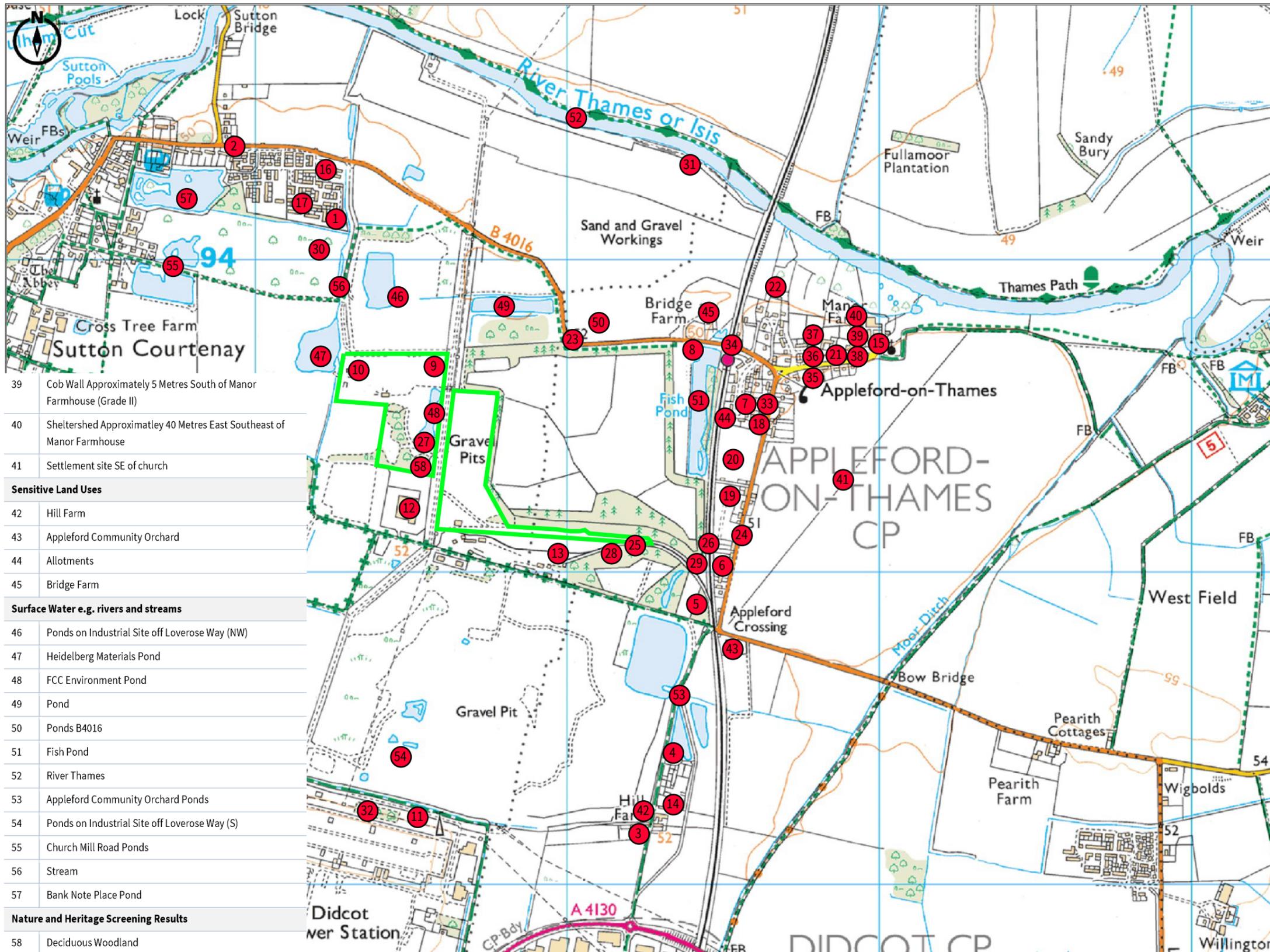
Scale: 1:25,000

Key:  
 ENVIRONMENTAL PERMIT BOUNDARY



2nd Floor,  
11 York Street,  
Manchester,  
M2 2AW  
+44 161 874 4659





39	Cob Wall Approximately 5 Metres South of Manor Farmhouse (Grade II)
40	Sheltershed Approximatley 40 Metres East Southeast of Manor Farmhouse
41	Settlement site SE of church
<b>Sensitive Land Uses</b>	
42	Hill Farm
43	Appleford Community Orchard
44	Allotments
45	Bridge Farm
<b>Surface Water e.g. rivers and streams</b>	
46	Ponds on Industrial Site off Loverose Way (NW)
47	Heidelberg Materials Pond
48	FCC Environment Pond
49	Pond
50	Ponds B4016
51	Fish Pond
52	River Thames
53	Appleford Community Orchard Ponds
54	Ponds on Industrial Site off Loverose Way (S)
55	Church Mill Road Ponds
56	Stream
57	Bank Note Place Pond
<b>Nature and Heritage Screening Results</b>	
58	Deciduous Woodland

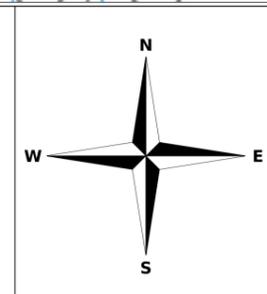
ID	Receptor
<b>Domestic Dwellings</b>	
1	Skylark Fields Estate
2	Appleford Road Estates
3	Residential Property
4	Hartwright House
5	House adjacent to Railway
6	Residencies off B4016
7	Properties of Appleford
8	Property of B4016
<b>Commercial and Industrial Premises</b>	
9	FCC Environment
10	Heidelberg Materials Ready-mixed Concrete
11	Loverose Way Industry (Didcot Power Station)
12	FCC Recycling Appleford Sidings
13	FCC Sutton Courtenay
14	AJH Vehicle Repairs
15	Industrial and Commercial Properties of Appleford
16	Industry (The Hawthorns)
<b>Schools / Hospitals / Shops/Amenities</b>	
17	Shops and Amenities of the Skylark Fields Estate
18	Shops and Amenities of Appleford
19	Appleford Village Hall
<b>Recreation</b>	
20	Appleford Recreation Ground and Football Field
21	Abbingdon Music Centre
22	Tennis Court
<b>Highways/Minor Roads/Railways</b>	
23	B4016 Appleford Road (N)
24	B4016 Main Road (E)
25	Railway
26	Railway
<b>Protected Habitats</b>	
27	FCC Appleford Deciduous Woodland
28	FCC Sutton Courtenay Deciduous Woodland
29	Railway Deciduous Woodland
30	Bank Note Place Deciduous Woodland
31	River Thames Deciduous Woodland
32	Loverose Way Deciduous Woodland
<b>Listed Buildings and Scheduled Monuments</b>	
33	Elm Hayes (Grade II)
34	Road Bridge Over Railway Track (Grade II)
35	Holywell Cottage (Grade II)
36	Manor Farm Cottages (Grade II)
37	The Tythe Barn and Eyston Barn (Grade II)
38	The Thatched Cottage and Attached Cob Wall (Grade II)

Client: Hanson Quarry Products	Created: GA
	Checked: LS
Project: Appleford Recycling Facility	Date: 08/07/2024
Title: Environmental Receptor Plan	Version: 1
Drawing No: APP/B066441/REC/01	Scale: 1:25,000

Key:

ENVIRONMENTAL PERMIT BOUNDARY

ENVIRONMENTAL RECEPTORS



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## Appendix A – Example Daily Noise Checklist

**Daily Noise Log Template (Qualitative Observations)**

<b>Date</b>	
<b>Observation Location(s)</b>	
<b>Observations</b>	
<b>Actions Required?</b>	
<b>Observers Name</b>	
<b>Signature</b>	

## Appendix B – Noise Complaint Investigation Form

**Noise Investigation - Detailed Assessment Form**

**To be completed after "abnormal" noise is detected or following a complaint**

**NOISE ASSESSMENT REPORT**

CAR Ref

Site Name and Address

Date

Weather

Temperature

Wind (strength & direction)

Ground Condition

Time Start

Time Finish

Complaint Received

**Yes / No**

Date/Time complaint received

Location of Complaint Area

Number of complaints (related to the same source)

(delete as appropriate)

Plan attached showing location of noise and vibration detected

**Yes / No**

Description and Photographs of location where noise and vibration detected

Time noise and vibration noticed and duration

Description of noise and vibration (eg hiss, rumble, humble)

Noise and vibration constant or intermittent in the period?

Additional Comments and relevant information

Signed

Persons Contacted Regarding Process

Action Required and taken