



**Environment
Agency**

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

PMW Quarries Limited

Carr Hill Quarry
4 Barnsley Road
Upper Cumberworth
Huddersfield
West Yorkshire
HD8 8XG

Permit number
EPR/NP3394EY

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit

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EPR/NP3394EY

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010


PMW Quarries Limited ("the operator"),
whose registered office is

**Marland House
13 Huddersfield Road
Barnsley
South Yorkshire
S70 2LW**

company registration number 06962567

to operate waste operations at
**Carr Hill Quarry
4 Barnsley Road
Upper Cumberworth
Huddersfield
West Yorkshire
HD8 8XG**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Ian Brindley 	21/02/2011

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 The trigger levels for emissions into groundwater for the parameter(s) and monitoring point(s) set out in schedule 3 table S3.1 shall not be exceeded.
- 3.1.2 The limits for sub-surface gas arising from the facility set out in schedule 3, table S3.2 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) Groundwater specified in table S3.1; and
 - (b) Sub-surface gas specified in table S3.2
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the monitoring points specified in schedule 3 tables S3.1 and S3.2, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects;
 - (ii) matters which affect the condition of the land and groundwater;
 - (iii) the results of groundwater monitoring; and
 - (iv) the results of sub-surface gas monitoring.

- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

Description of activities for waste operations	Limits of activities
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)	Secure storage and use of wastes listed in table S2.1 for the purposes of the construction work as detailed in the approved waste recovery plan.
R5: Recycling/reclamation of other inorganic compounds	The activities shall not be carried out other than in accordance with the approved waste recovery plan.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Management system document reference CHQ-WMS-01 Version 1 dated November 2010, in response to Section 3d of Part B2 of the application form.	24/11/10
Application	Waste recovery plan document reference CHQ-WRP-01 Version 1.1 dated September 2010, in response to section 3 of Part B4 of the application form – operating techniques.	24/11/10
Application	Noise management plan Section 9.3 of document reference CHQ-WMS-01 Version 1 dated November 2010.	24/11/10
Application	The response to section 3 Table 3a of Part B4 of the application form – technical standards.	24/11/10
Response to Schedule 5 Notice dated 13/01/11	Environmental monitoring plan document reference: CHQ-EMP-01 Version 2 – dated January 2011 submitted in response to question 2 of the Schedule 5 notice.	26/01/11
Response to Schedule 5 Notice dated 13/01/11	Response to question 1 of the Schedule 5 notice justifying the slope dimensions proposed and minimum quantity of waste to be used – detailed in the letter received from Silkstone Environmental Limited dated 27 th January 2011.	01/02/11

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for the use of waste in construction

Maximum quantity The total quantity of waste accepted at the site shall be less than 50,000 tonnes per year.

Exclusions

Topsoil and peat shall not be accepted at the site.

No waste from contaminated sites shall be accepted at the site.

Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones including chalk other than those mentioned in 17 05 03 (excluding topsoil and peat)
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones (excluding topsoil and peat)

Schedule 3 – Emissions and monitoring

Table S3.1 Trigger levels for emissions into groundwater and monitoring requirements

Monitoring point reference	Parameter	Limit (Including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
PZ2 and PZ3 identified on the site plan in Schedule 7	Groundwater level	No limit set	Spot sample	Six monthly monitoring or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02) published February 2003
	Temperature	No limit set			
	pH	No limit set			
	Electrical Conductivity	No limit set			
	Arsenic	No limit set			
	Barium	No limit set			
	Cadmium	0.005 mg/l			
	Chromium	0.07 mg/l			
	Copper	2.0 mg/l			
	Mercury	0.0004 mg/l			
	Molybdenum	No limit set			
	Nickel	No limit set			
	Lead	No limit set			
	Iron	No limit set			
	Antimony	No limit set			
	Selenium	No limit set			
	Zinc	5.0 mg/l			
	Chloride	No limit set			
	Fluoride	No limit set			
	Sulphate	No limit set			
	Tellurium	No limit set			
	Titanium	No limit set			
	Phenols	No limit set			
	Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)	No limit set			
	Polychlorinated biphenyls (PCBs)	No limit set			
	Total Petroleum Hydrocarbons (C10-C40) (TPHs)	No limit set			
	Polyaromatic Hydrocarbons (PAHs)	No limit set			
	Biochemical oxygen demand (BOD)	No limit set			
	Chemical oxygen demand (COD)	No limit set			
	Total Organic Phosphorus	No limit set			
	Nitrogen, Total Oxidised as N	No limit set			
	Nitrate	5.125 mg/l			
Ammoniacal Nitrogen	1.0 mg/l				

Table S3.1 Trigger levels for emissions into groundwater and monitoring requirements

Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
PZ4 and PZ5 identified on the site plan in Schedule 7	Groundwater level	No limit set	Spot sample	Six monthly monitoring or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02) published February 2003
	Temperature	No limit set			
	pH	No limit set			
	Electrical Conductivity	No limit set			
	Arsenic	No limit set			
	Barium	No limit set			
	Cadmium	No limit set			
	Chromium	No limit set			
	Copper	No limit set			
	Mercury	No limit set			
	Molybdenum	No limit set			
	Nickel	No limit set			
	Lead	No limit set			
	Iron	No limit set			
	Antimony	No limit set			
	Selenium	No limit set			
	Zinc	No limit set			
	Chloride	No limit set			
	Fluoride	No limit set			
	Sulphate	No limit set			
	Tellurium	No limit set			
	Titanium	No limit set			
	Phenols	No limit set			
	Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)	No limit set			
	Polychlorinated biphenyls (PCBs)	No limit set			
	Total Petroleum Hydrocarbons (C10-C40) (TPHs)	No limit set			
	Polyaromatic Hydrocarbons (PAHs)	No limit set			
	Biochemical oxygen demand (BOD)	No limit set			
	Chemical oxygen demand (COD)	No limit set			
	Total Organic Phosphorus	No limit set			
Nitrogen, Total Oxidised as N	No limit set				
Nitrate	No limit set				
Ammoniacal Nitrogen	No limit set				

Table S3.2 Sub-surface gas monitoring boreholes – limits and monitoring requirements				
Monitoring point reference	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
PZ2 identified on the site plan in Schedule 7	Methane Carbon Dioxide Oxygen Atmospheric pressure Pressure differential Meteorological data	1.0 %v/v 3.6 %v/v No limit No limit No limit No limit	Six monthly or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on the Management of Landfill Gas" (LFTGN 03) published September 2004
PZ3 identified on the site plan in Schedule 7	Methane Carbon Dioxide Oxygen Atmospheric pressure Pressure differential Meteorological data	1.0 %v/v 3.6 %v/v No limit set No limit set No limit set No limit set	Six monthly or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on the Management of Landfill Gas" (LFTGN 03) published September 2004
PZ4 identified on the site plan in Schedule 7	Methane Carbon Dioxide Oxygen Atmospheric pressure Pressure differential Meteorological data	1.0 %v/v 2.0 %v/v No limit set No limit set No limit set No limit set	Six monthly or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on the Management of Landfill Gas" (LFTGN 03) published September 2004
PZ5 identified on the site plan in Schedule 7	Methane Carbon Dioxide Oxygen Atmospheric pressure Pressure differential Meteorological data	1.0 %v/v 14.5 %v/v No limit set No limit set No limit set No limit set	Six monthly or at any other frequency agreed in writing by the Environment Agency	In accordance with that described in the Environment Agency's "Guidance on the Management of Landfill Gas" (LFTGN 03) published September 2004

Schedule 4 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Groundwater Parameters as required by condition 3.5.1	PZ2, PZ3, PZ4 and PZ5	Six monthly monitoring or at any other frequency agreed in writing by the Environment Agency	21 February, 21 August
Sub-surface gas monitoring Parameters as required by condition 3.5.1	PZ2, PZ3, PZ4 and PZ5	Six monthly monitoring or at any other frequency agreed in writing by the Environment Agency	21 February, 21 August

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Groundwater	Form Groundwater1 or other form as agreed in writing by the Environment Agency	21/02/11
Sub-surface gas	Form Gas1 or other reporting format to be agreed in writing with the Environment Agency	21/02/11

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

"*accident*" means an accident that may result in pollution.

"*Annex IIA*" means Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"*annually*" means once every year.

"*application*" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

"*authorised officer*" means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

"*D*" means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"*emissions of substances not controlled by emission limits*" means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

"*emissions to land*" includes emissions to groundwater.

"*EP Regulations*" means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"*groundwater*" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"*groundwater protection zones 1 and 2*" have the meaning given in the document titled "Groundwater Protection: Policy and Practice" published by the Environment Agency in 2006.

"*hazardous waste*" has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

"*MCERTS*" means the Environment Agency's Monitoring Certification Scheme.

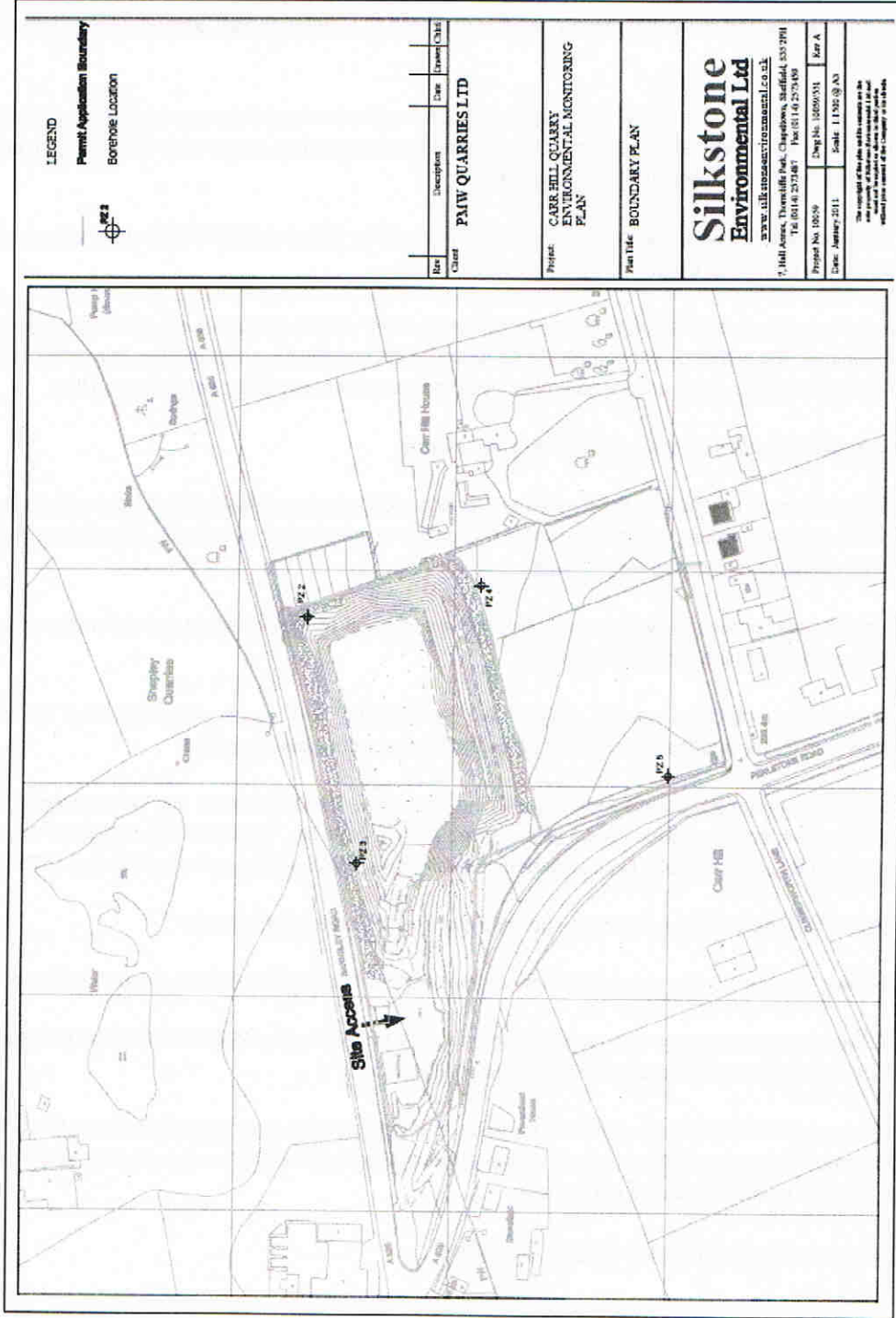
"*quarter*" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"*R*" means a recovery operation provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"*Waste code*" means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

"*year*" means calendar year ending 31 December.

Schedule 7 - Site plan



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