

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Frimstone Limited

Mitchell Hill Common Quarry

Mitchell Hill Farm

Twentypence Road

Cottenham

Cambridgeshire

CB24 8PP

Permit number

EPR/LB3699EG

Mitchell Hill Common Quarry

Permit number EPR/LB3699EG

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Sand and gravel is to be extracted from a quarry in an area known at Mitchell Hill Common. The extraction is expected to take 12 years over 8 phases, with this permit covering all 8 phases. As the quarry will be working mineral below the water table in the aquifer, the quarry void requires dewatering. In summer, settlement of the dewatering effluent is provided by sumps within the quarry void, prior to the effluent being discharged at Outlet 1 directly into Long Drove Ditch at TL 48522 70402. In winter, settlement of the dewatering effluent is provided by a lagoon system which also discharges to Outlet 1 into Long Drove Ditch. Following settlement of the dewatering effluent by sumps within the quarry void, the effluent can also be discharged via an alternative Outlet 2 into a reach of Engine Drain (between TL 48168 69650 and TL 48569 69884).

The extracted mineral will be processed on-site. Effluent from the mineral processing is discharged to the first of a series of three lagoons which provides settlement. Clean water for the mineral processing is abstracted from the third lagoon acting as a closed system for water supply and discharge, however during times of heavy rainfall, clean water from the lagoon system will be discharged at Outlet 1 to Long Drove Ditch.

The maximum volume of dewatering and mineral wash effluent that can be discharged to Outlet 1 is 6,843 cubic metres per day. The effluent will be discharged via a rate-limited valve, which can be closed in the event of contamination being identified within the quarry void or lagoons. The maximum volume of dewatering effluent that can be discharged to Outlet 2 is also 6,843 cubic metres per day. The total volume discharged in aggregate from Outlets 1 and 2 is restricted to 6,843 cubic metres per day

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/LB3699EG/A001	Duly made 17/09/2019	Application for discharge of trade effluent consisting of quarry dewatering effluent and mineral wash effluent.
Permit determined EPR/LB3699EG	18/02/2020	Permit issued to Frimstone Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/LB3699EG

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Frimstone Limited (“the operator”),

whose registered office is

**6 Lancaster Way
Ermine Business Park
Huntingdon
Cambridgeshire
PE29 6XU**

company registration number 01232146

to operate water discharge activities at

**Mitchell Hill Common
Mitchell Hill Farm
Twentypence Road
Cottenham
Cambridgeshire
CB24 8PP**

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

Name	Date
Jamie Tinsley	18/02/2020

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 so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances 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 the permit.

2 Operations

2.1 Permitted activities

- 2.1.1 The only activities authorised by the permit are the activities specified in schedule 1 table S1.1.

2.2 The site

- 2.2.1 The discharge activities shall take place at the discharge points marked on the site plan at schedule 7 to this permit, and as listed in table S3.2.

3 Emissions and monitoring

3.1 Emissions to water

- 3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 The operator shall take appropriate measures to minimise so far as reasonably practicable the polluting effects of the emissions of substances in the discharge not controlled by emission limits (excluding odour).
- 3.2.2 For the activities (A1 to A2) referenced in schedule 1, table S1.1 all oils or chemicals stored in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Monitoring

- 3.3.1 Accessible monitoring points shall be provided and maintained to enable monitoring to be carried out at the monitoring points specified in table S3.3 of schedule 3 and shown marked on the site plan in schedule 7.

4 Information

4.1 Records

4.1.1 All records required to be made by schedule 3, 4 and 5 to 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.

4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plan and management system required to be maintained by this permit.

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.

4.3 Notifications

4.3.1 The Environment Agency shall be notified as soon as reasonably practicable following detection, within the site of the regulated facility 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; and
- (b) any breach of a limit specified in schedule 3 table S3.1.

Any other significant adverse environmental effects, which may have been caused by the activity, shall also be notified to the Environment Agency as soon as reasonably practicable following detection.

4.3.2 The information provided under condition 4.3.1 shall be supported by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 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.

4.3.4 Where the operator proposes to make a change in the nature of the activity by increasing the concentration of, or the addition of, or allowing the introduction of, a substance to the activity to an extent that the operator considers could have a significant adverse environmental effect on the receiving waters, and the change is not permitted by emission limits specified within schedule 3 table S3.1 or the subject of an application for approval under the EP Regulations or under the terms of this permit:

- (a) the Environment Agency shall be notified in writing at least 14 days before the increase or addition or allowing the introduction; and
- (b) the notification shall contain a description of the proposed change.

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 “as soon as reasonably practicable”, in which case it may be provided by telephone.

Schedule 1 – Operations

Activity reference	Description of activity	Limits of specified activity
A1	Discharge of trade effluent consisting of quarry dewatering effluent and mineral wash effluent via Outlet 1	The total daily volume discharged from Outlet 1 and/or Outlet 2 shall not, alone or in combination, exceed 6483m ³
A2	Discharge of trade effluent consisting of quarry dewatering effluent via Outlet 2	The total daily volume discharged from Outlet 1 and/or Outlet 2 shall not, alone or in combination, exceed 6483m ³

Schedule 2 – Waste types, raw materials and fuels

Schedule 2 not in use.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
A1 Trade effluent consisting of quarry dewatering effluent and mineral wash effluent via Outlet 1	Maximum daily discharge volume	6,843 m ³ /day	Total daily volume	N/A	N/A	Maximum
	Maximum rate of discharge	79.2 litres per second	Instantaneous (spot sample)	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105°C)	40 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Ammoniacal nitrogen (expressed as N)	1 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	N/A	N/A	No significant trace
A2 Trade effluent consisting of quarry dewatering effluent via Outlet 2	Maximum daily discharge volume	6,843 m ³ /day	Total daily volume	N/A	N/A	Maximum
	Maximum rate of discharge	79.2 litres per second	Instantaneous (spot sample)	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105°C)	40 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Ammoniacal nitrogen (expressed as N)	1 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	N/A	N/A	No significant trace

Table S3.2 Discharge points			
Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
A1 Trade effluent consisting of quarry dewatering effluent and mineral wash effluent	Outlet 1	TL 48522 70402	Long Drove Ditch
A2 Trade effluent consisting of quarry dewatering effluent	Outlet 2	Between TL 48168 69650 and TL 48569 69884	Engine Drain

Table S3.3 Monitoring points			
Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
A1 Trade effluent consisting of quarry dewatering effluent and mineral wash effluent via Outlet 1	Effluent sampling	TL 48522 70402	Effluent sample point 1
A2 Trade effluent consisting of quarry dewatering effluent via Outlet 2	Effluent sampling	Between TL 48168 69650 and TL 48569 69884	Effluent sample point 2

Schedule 4 – Reporting

Schedule 4 not in use.

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 7 days of detection unless otherwise agreed in writing by the Environment Agency	
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/type or nature of sewage released	
Best estimate of the quantity or rate of release of substances and/or duration of discharge	
Best estimate of the environmental impact of the discharge	
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 specified in schedule 3 table S3.1	
The information specified below is to be notified to the Environment Agency as soon as reasonably practicable following detection.	
Monitoring point reference/ source	
Self monitoring regime (where relevant)	
Type of failure	e.g. maximum
Date of sample/event	
Parameter	
Result and units	
Limit and units	

Part B – to be submitted as soon as reasonably practicable unless otherwise agreed in writing by the Environment Agency

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/breach/exceedance	
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	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

"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.

“appropriate measures” for the purposes of the emission of substances not controlled by emission limits condition (condition 3.2.1) do not require the operator to undertake treatment to a level beyond that specified in schedule 1 table S1.1, or to carry out routine monitoring for substances not controlled by emission limits.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the permitted activities, which are not controlled by an emission limit.

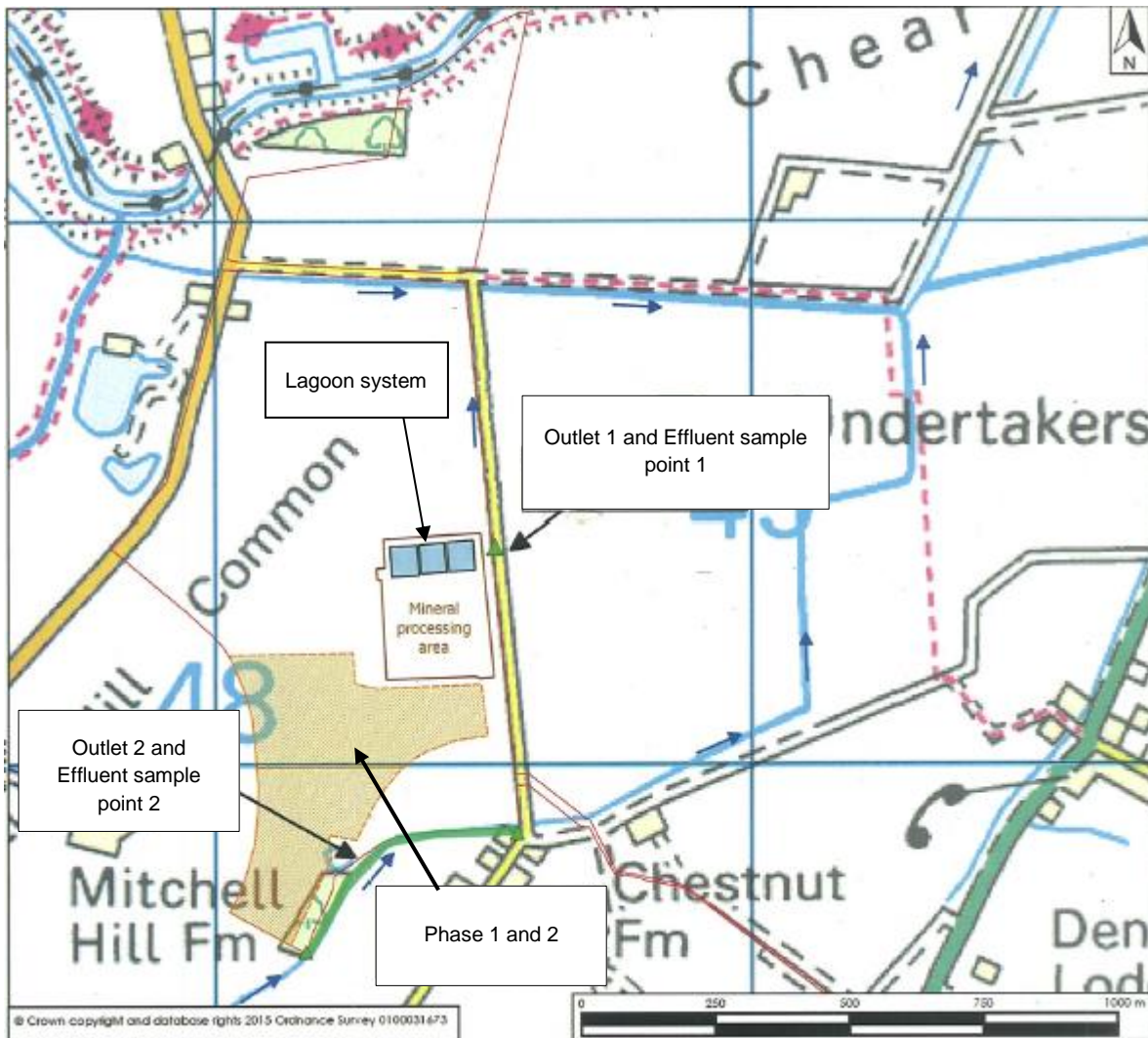
“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

“significant pollution” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT