

MD1

FOR OFFICIAL USE ONLY

Reference number:

Date received:

Date processed:

Fee received: Amount:

Grid Ref: Environmental Statement

PART ONE - GENERAL INFORMATION

1. Applicant

Name:

Address:

.....

.....

Post Code:

Tel No. Fax No.

E-Mail address:

Name of Contact:

Agent (if any) to whom correspondence is to be sent

Name:

Address:

.....

.....

Post Code:

Tel No. Fax No.

E-Mail address:

Name of Contact:

2. The Application Site

(i) Full address or location of land to which this application relates

.....

.....

.....

Grid reference at site access and/or centre of site (delete as appropriate) _____

(ii) Description of Proposed Development.....

3. Type of application	
Is the application for:	Please give details, including previous permissions if applicable
(i) Surface mineral extraction/mineral processing	
(ii) Mineral exploration	
(iii) Underground mining	
(iv) Siting of new plant/buildings	
(v) Other	

4. Site Details

(a) Present use(s) of site _____

 Last previous use of the site as far as known (if different from (a) above) _____

(b) Application site area (sq m or hectares) (Outline in red on plan) _____

(c) Are there any existing buildings or structures on the site? _____

(d) What is the applicant's interest in the site? (landowner, lessee, prospective purchaser, owner of mineral etc)

(e) State whether the applicant owns/controls any adjoining land and if so, outline in blue on plan.

5. Environmental Considerations

State whether the proposal involves: State YES or NO

(a) alteration or diversion of existing services/utilities (Indicate location(s) on plan)

(b) felling or works to trees or hedgerows (Indicate location(s) on plan)

(c) works affecting the site of a Scheduled Ancient Monument, or the setting of a Listed Building or historic park/garden or works in or adjoining a Conservation Area

(d) work which affects or is in the vicinity of a Site of Special Scientific Interest, Local Nature Reserve or other areas of nature conservation interest

(e) any rights of way (eg public footpath or bridleway) within or immediately adjoining the site (If 'YES' show details on plan)

(f) work which will affect a protected species or its habitat

6. Traffic and Transport

6.1 State method(s) of transportation of processed materials.

6.2 Have you considered using alternative, more sustainable modes of transport, such as rail/barges etc. YES/NO
If this is not practicable, please provide justification:

6.3 Is it proposed to use an existing means of access to the application site? YES/NO

If YES, summarise the access details.

6.4 Are new access arrangements to be constructed or alterations to existing access proposed YES/NO

If YES, summarise the proposals (proposed width/construction details) and indicate on plans.

6.5 What is the estimated number of vehicles entering and leaving the site during a normal working day? (including HGVs, cars, vans etc)

		Average	Maximum
CARS	Inbound		
	Outbound		
HGVs	Inbound		
	Outbound		

State likely capacity of the HGVs/commercial vehicles

		Average	Maximum
	Inbound		
	Outbound		

6.6 Summarise routes to be used to the primary road network on leaving the application site.

6.7 What provisions have been made for loading/unloading, and vehicular movements within the site (indicate areas on plans).

6.8 What are the provisions for car and cycle parking? (State number of spaces provided.)

Existing cars _____ Cycles _____

Proposed cars _____ Cycles _____

Indicate parking provision on layout plans and delineate employee/visitor parking.

PART TWO
SPECIFIC QUESTIONS RELATING TO EXTRACTION AND WORKING OF MINERALS AND ASSOCIATED DEVELOPMENT (INCLUDING PROCESSING)

1. Mineral Extraction

1.1 Please state:

Mineral(s) to be extracted _____

1.2 Total quantity of saleable materials to be extracted

_____ tonnes

1.3 Area of excavation _____ ha

1.4 Maximum depth of surface working _____ m

1.5 Proposed duration of mineral extraction _____ years _____ months

Start date _____ End date _____

1.6 End use (eg construction, industrial processes etc) and immediate proposed destination of mineral(s) products

1.7 Location of any processing plant (including any off-site plant)

2. 2.1 For surface mineral workings or deposit on land of mineral wastes, please provide the following information in connection with soils and overburden; and the grade of any agricultural land:

	Depth (mm)		Volume (m ³)
	(Average)	(Ranges)	
Topsoil existing on site			
Subsoil existing on site			
Overburden to be removed			

2.2 Please specify the area of agricultural land (ha) and Agricultural Land Classification grades affected by extraction.

2.3 Summarise the provision to be made for the temporary or permanent storage of soils or overburden

3. Summarise wastes which will result from extraction operations (types and quantities)

4. Summarise the evaluation procedures undertaken to assess the quantity and quality of the minerals and the results of these

5. Summarise the proposed method of extraction and scheme of working including phasing (including the types and quantity of plant and equipment to be deployed).

6. Mineral Processing

Type and quantity of material to be processed on site	Type	Maximum tonnes per annum
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. Mineral products from processing:

type (a)	_____	Estimated annual production	_____	tonnes
type (b)	_____	Estimated annual production	_____	tonnes
type (c)	_____	Estimated annual production	_____	tonnes

8. Summarise plant and machinery to be used in processing of minerals

9. 9.1 Maximum height of plant as measured from existing ground level _____ m

9.2 Maximum height of stockpiles or storage facilities for processed material as measured from existing ground level _____ m
(please indicate location on plans)

10. Plant Capacity

	Tonnes per hour	Tonnes per year
Estimated normal capacity of processing plant	_____	_____
Estimated maximum capacity of processing plant	_____	_____

11. Source of water (if any) to be used in processing:

12. Details of waste arising from processing:
12.1 Nature of waste
12.2 Estimated annual quantity produced _____ m ³
12.3 Please specify maximum height(s) of any waste/tip(s) as measured from existing ground level _____ m
12.4 Is it proposed for waste tips to be located within excavations? YES/NO (If so, please indicate location on plans)
12.5 Is it proposed to dispose of any wastes at a separate site? YES/NO If yes, please state the location
12.6 Specify methods to be used to transport waste (e.g. pipeline, conveyor belt)
12.7 Will the mineral processing involve tailing/settlement lagoons? YES/NO

13. Other Buildings, Plant or Structures Describe briefly:
13.1 Purpose of buildings _____ _____
13.2 Size and appearance of buildings etc. (Please indicate location on plans) _____ _____

14. Would any ancillary operations last beyond the period of mineral extraction? YES/NO If yes, describe these operations
_____ _____ _____

15. Environmental Effects of Development

Proposed hours of operation of site

	Time Periods (hours)	Days of Week
(i) Mineral prospecting/soil stripping		
(ii) Replacement and overburden removal		
(iii) Mineral working		
(iv) Mineral processing		
(v) Vehicular movements		
(vi) Other (specify) eg operation of conveyor, servicing, testing or maintenance of plant and machinery		

16. Noise levels and proposed controls

16.1 State existing background noise levels at site boundaries and/or nearest properties, where measured (delete as appropriate)

16.2 State predicted noise levels at site boundaries and/or nearest properties where assessed (delete as appropriate)

16.3 State predicted sound power levels from plant to be deployed at the site.

16.4 Describe proposed measures for controlling noise and arrangements for noise monitoring (as relevant)

17. 17.1 Describe proposed measures for controlling and suppressing dust for all stages of the process (eg stockpiles, haulage, processing and maintenance of hardstanding).

17.2 Describe measures for minimising the spread of any minerals and waste onto the public highway (ie wheelwashing/road sweeping etc)

18. Blasting (where relevant)

18.1 Will mineral extraction require blasting? YES/NO
If yes, state predicted maximum blasting vibration levels at nearby properties.

18.2 State anticipated frequency and hours of blasting (weekdays; other)

18.3 Indicate proposed public warnings for blasting

18.4 Indicate proposed methods for monitoring vibration from blasting

19. Will any hazardous materials be used or stored on site? YES/NO
If yes, specify type and storage method.
(See Guidance notes for details).

20. Water

20.1 Outline any proposed measures to control water pollution and drainage/flood control measures

20.2 If working is to take place below the natural water table,
is the working to be WET/DRY (delete as appropriate)

If dry, please provide details of existing water table levels and describe proposed methods of dewatering,
proposed method of water disposals and any proposed mitigation measures.

20.3 State the measures to be taken to prevent the spillage or seepage of fuel oils during delivery, storage and handling on site.

20.4 Has a flood risk assessment been undertaken for this development; if so please provide details.

21. State whether any processes are to be registered under Part A and B of the Environmental Protection Act 1990 and describe the nature of these operations.

22. Outline any screening and landscaping proposals during working, location, height and length of bunds, tree planting schemes etc.

23. Outline any measures to ensure stability of working faces, tips and associated structures.

24. Landfilling of Mineral Extraction Sites

If your application involves any landfilling using materials not generated on the application site, eg Household Waste please complete the Council's Waste Application Forms.

25. If your application includes:

- Mineral exploration also complete Annex 1
- Underground mining also complete Annex 2
- Major surface disposal of mine or quarry waste complete Annex 3
- Oil and Gas operations complete Annex 4

26. Restoration, Aftercare and Afteruse

26.1 Summarise the intended afteruse(s)

Agricultural	YES/NO	Total area _____ ha
Forestry	YES/NO	Total area _____ ha
Amenity (specify) _____	YES/NO	Total area _____ ha
Other _____ (including built development, specify)	YES/NO	Total area _____ ha

26.2 Is restoration and aftercare to be phased?
 If yes, please summarise number and duration of phases and the interaction between extraction, restoration and aftercare (indicate on plans and gphant chart)

YES/NO

27. Give details of the proposed use of soil materials in restoration

	Total Amounts (m ³)	Average Thickness to be Spread (mm)
Topsoil from site		
Subsoil from site		
Overburden/other soil making material		
Other soil sources (please state)		

28. Summarise the methods and machinery to be used in stripping, restoring soils and formation of storage mounds.

29. 29.1 Is any restoration work likely to take place within 12 months of the commencement of working? YES/NO
 If yes, describe the proposed aftercare.

29.2 If no, summarise the items proposed for inclusion in an aftercare scheme, to be agreed at a later date, including land management during the aftercare period and intended arrangements in the longer term.

29.3 Who would carry out the aftercare operations?

29.4 Are there any specific proposals or agreements for the management of the land YES/NO
 (Give details)

30. Benefits of the Development

Please indicate fully what you consider to be the economic and environmental benefits of the proposals

31. Plans and Drawings: please list the plans and drawings submitted with the application

Type of Plan	Drawing No.	Title/subject

32. Have you submitted an Environmental Statement with this application? YES/NO

If yes, please complete the accompanying form.

33. Certification

33.1 What certificates have been completed and submitted as required by Article 12 of the Town and Country Planning (Development Management Procedure) Order 2010 (tick as appropriate).

Certificate A B C D

The Mineral Planning Authority cannot consider an application unless it is accompanied by appropriate certificate.

33.2 Fees

What fee accompanies this application £

34. Declaration

(Delete as appropriate)

I / We hereby apply for permission to carry out the development described in this application and declare that, to the best of my/our knowledge, the information is correct; and

(in the case of agents)

that I am/we are fully authorised to submit this application on behalf of the applicant(s)

Signed _____

*On behalf of _____

*delete as appropriate

Date _____

ANNEX 1 : MINERAL EXPLORATION

For office use only
Application No.

**APPLICATION TO CARRY OUT MINERAL WORKINGS AND ASSOCIATED DEVELOPMENT
TOWN AND COUNTRY PLANNING ACT 1990**

THIS ANNEX SHOULD BE COMPLETED (IN ADDITION TO THE MAIN MINERALS APPLICATION FORM AND ANY OTHER RELEVANT ANNEXES] FOR PROPOSALS INVOLVING MINERALS EXPLORATION (INCLUDING OIL OR GAS). **PLEASE READ THE ACCOMPANYING GUIDANCE NOTES BEFORE COMPLETING THESE QUESTIONS.**

Location : _____

A1.1 Mineral(s) sought _____
(gas, oil, coal methane) _____

A1.2 Exploration site area _____ ha

A1.3 (a) Duration of operations _____ Months _____ Days

(b) Hours of Working

	Time of Day	Days of Week
Operational periods		

A1.4 If exploration involves boreholes or other excavations, please state:

Number _____ Depth _____

A1.5 If the exploration involves seismic methods, state the route of the survey.

A1.6 If explosive charge will be used, state:

Depth of charge _____

Ground vibrations expected at the nearest affected properties _____

Maximum instantaneous charge _____

Proposed maximum and average number of blasts per day _____

A1.7 Summarise measures to make the site safe after cessation of operations

A1.8 State restoration proposals.

GUIDANCE NOTES FOR MINERAL EXPLORATION

DETAILS OF WHAT IS EXEMPT FROM PLANNING PERMISSION CAN BE FOUND IN PART 22 OF SCHEDULE 2 OF THE TOWN AND COUNTRY PLANNING (GENERAL PERMITTED DEVELOPMENT) ORDER 1995

- | | |
|---------------|--|
| A1.1 | In most cases the minerals type will be known and should be stated. Where the minerals being sought are not known, applicants should state the purpose of operations being undertaken. |
| A1.2 | This should give an indication of the site area (ha) to be explored.

Applicants should ensure that this is outlined in red on a plan and specified in the main minerals application form. |
| A1.3 | Applicants should state the length of working in months and/or days the time of day when exploration works will occur. |
| A1.4 | To be completed by applicants whose works involve use of boreholes or other excavations. |
| A1.5
+ 1.6 | To be completed by applicants whose works involve use of seismic methods. |
| A1.7 | Applicants should indicate the measures they intend adopting to make the site safe after cessation of exploration using boreholes or seismic methods (if appropriate). |
| A1.8 | Applicants should specify any restoration proposals they intend to adopt after the cessation of exploration. |

ANNEX 2 : UNDERGROUND MINING

For office use only
Application No.

**APPLICATION TO CARRY OUT MINERAL WORKINGS AND ASSOCIATED DEVELOPMENT
TOWN AND COUNTRY PLANNING ACT 1990**

THIS ANNEX SHOULD BE COMPLETED (IN ADDITION TO THE MAIN MINERALS APPLICATION FORM AND ANY OTHER RELEVANT ANNEXES) FOR PROPOSALS INVOLVING UNDERGROUND MINING (EXCLUDING OIL OR GAS) AND REQUIRING PLANNING PERMISSION. **PLEASE READ THE ACCOMPANYING GUIDANCE NOTES AT THE END OF THIS ANNEX BEFORE COMPLETING THESE QUESTIONS.**

Location : _____

A2.1 Depth(s) of extraction

Minimum _____ Maximum _____

A2.2 Number(s) and/or names of seams or veins to be extracted.

A2.3 (a) Method of mining to be used (eg longwall, shortwall, pillar and stall, solution or stope)

(b) Summarise investigations on anticipated subsidence and likely areas to be affected by this application.

(c) Summarise any measures to prevent or reduce the occurrence of subsidence.

A.2.4 (a) Type of waste to be brought to the surface

(b) Total volume of waste to be brought to the surface and the proportion of which is inert

Total volume of waste _____ m³ Proportion inert _____ %

(c) Summarise proposed methods to bring waste to the surface

(d) Summarise proposed method and location for disposal of wastes

A2.5 Summarise proposed treatment of mine openings on the cessation of operations.

GUIDANCE NOTES FOR UNDERGROUND MINING

MUCH OF THE INFORMATION REQUIRED FOR THIS TYPE OF APPLICATION CAN BE ACCOMMODATED UNDER THE MAIN MINERALS APPLICATION FORM. THIS SECTION THEREFORE COVERS ISSUES NOT COVERED IN THOSE SECTIONS INCLUDING METHODS OF WORKING AND ASSOCIATED DEVELOPMENT WHICH ARE SPECIFIC TO UNDERGROUND MINING, eg VENTILATION SHAFTS, WHICH ARE ON SITES NOT LINKED TO THE MAIN PITHEAD OR PROCESSING PLANT AREA.

A2.1 Drawings should also be submitted showing depth and location.

A2.2 Drawings should also be submitted to support these questions.

A2.3 Applicants should provide details of any investigations on anticipated subsidence, including extent over time and likely areas to be affected.
Applicants should provide details of mitigation measures to prevent or reduce the occurrence of subsidence. A description should be given on methods used, and an indication of when mitigation measures will take place. Applicants may wish to refer to Planning Policy Guidance Note 14 - Development on Unstable Land and any guidance documents which supersede this.

A2.4 Applicants should ensure the location for disposal of wastes is made clear. In many cases it will also be necessary to complete Annex 3 of the minerals application form. It is recommended that you discuss this issue with the County Planning Authority prior to submitting your application.

A2.5 Applicants should seek to supply information on the treatment of mine openings on the cessation of operations. Treatment works may involve covering, capping, plugging and filling, or gating or grilling of openings, together with the erection of boundary fences or walls around mine entries, or around land which is at risk of subsidence from underground workings. Further information is provided in MPG 12 - Treatment of Disused Mine Openings and Availability of information on Mined Ground.

ANNEX 3 : MAJOR SURFACE DISPOSAL OF MINE OR QUARRY WASTES

For office use only

Application No.

**APPLICATION TO CARRY OUT MINERAL WORKINGS AND ASSOCIATED DEVELOPMENT
TOWN AND COUNTRY PLANNING ACT 1990**

THIS ANNEX SHOULD BE COMPLETED (IN ADDITION TO THE MAIN MINERALS APPLICATION FORM AND ANY OTHER RELEVANT ANNEXES) FOR PROPOSALS INVOLVING MAJOR SURFACE DISPOSAL OF MINE AND QUARRY WASTES (EXCLUDING OIL OR GAS) AND REQUIRING PLANNING PERMISSION. **PLEASE READ THE ACCOMPANYING GUIDANCE NOTES AT THE END OF THIS ANNEX BEFORE COMPLETING THESE QUESTIONS.**

Location : _____

A3.1 Please state the total site area for proposed deposit of mine and quarry wastes _____ ha

A3.2 (a) What is/are the proposed construction method(s) of tips of solid wastes?

(b) What are the total number of proposed tip(s) and estimated total amounts of materials for disposal?

No. of Tips _____ Material for Disposal (m³) _____

(c) Does the proposal involve tailing lagoons? YES/NO
If yes, how many?

A3.3 (a) Summarise the physical properties and characteristics of wastes from extraction

(b) Summarise the chemical properties of wastes from extraction (if relevant)

A3.4 For temporary tip(s), specify date(s) of removal, by individual tip.

GUIDANCE NOTES FOR MAJOR SURFACE DISPOSAL OF MINE OR QUARRY WASTES

A3.1 Total site area for proposed deposit of mine and quarry wastes should be given. Applicants should also ensure that the location of temporary and permanent waste sites are clearly shown on a plan which is specified in the main minerals application form. The plan should be sufficient to distinguish temporary and permanent waste sites.

- A3.2**
- (a) To be completed by all applicants. This should include information on gradients and contours of tips including maximum height. This information may best be illustrated in supporting plans, sections and drawings.
 - (b) To be completed by all applicants.
 - (c) To be completed if relevant.

A3.3 Physical and chemical properties of wastes should be interpreted in terms of their effects on subsequent vegetation as well as provision for treatment of wastes including control and disposal of drainage and any run-off may occur.

A3.4 Dates should be indicated, either on the plan showing temporary tips or elsewhere, showing at what point in the programme of work temporary tips will be removed.

ANNEX 4 : OIL AND GAS OPERATIONS

For office use only
Application No.

**APPLICATION TO CARRY OUT MINERAL WORKINGS AND ASSOCIATED DEVELOPMENT
TOWN AND COUNTRY PLANNING ACT 1990**

THIS ANNEX SHOULD BE COMPLETED FOR PROPOSALS INVOLVING OIL OR GAS OPERATIONS AND REQUIRING PLANNING PERMISSION. **PLEASE READ THE ACCOMPANYING GUIDANCE NOTES AT THE END OF THIS ANNEX BEFORE COMPLETING THESE QUESTIONS.**

For **Exploration**, complete Questions A4.1, A4.4 and A4.5
 For **Appraisal**, complete Questions A4.2, A4.4 and A4.5
 For **Production**, complete Questions A4.3, A4.4 and A4.5

Location : _____

Exploration

A4.1 (a) Please state:

- (i) Total area of exploration _____ ha
- (ii) Route(s) of any seismic survey(s) to be carried out during exploration.

(b) Does the seismic method to be employed use vibroseis methods? YES/NO

(c) Does the seismic method to be employed use any explosive charge? YES/NO
 If yes:

- (i) What is the depth of charge and maximum instantaneous charge?
 Depth _____ Maximum Instantaneous Charge _____
- (ii) What is the average and maximum number of explosive charges to be used per day?
 Average per day _____ Maximum per day _____
- (iii) What will be the estimated level of ground vibration at the nearest affected properties?

(d) Will the exploration method involve the drilling of wells? YES/NO
 If yes:

- (i) What criteria is being used for selecting the well site(s)?
- (ii) What is the expected number of wells to be drilled? _____
- (iii) What is the average depth of wells? _____ m
- (iv) What is the proposed method of disposal of drilling wastes?

(e) What equipment will be used for exploration?

(f) What is the anticipated duration of operations?

Start Date _____ Completion Date _____

Appraisal

A4.2 (a) State:

(i) Appraisal site area _____ ha

(ii) Criteria to be used for the selection of well sites.

(iii) Equipment to be used to undertake the appraisal.

(iv) Methods to be used to undertake the appraisal.

(b) If exploration well(s) site is to be used.

(i) What is the number of wells to be drilled? _____

(ii) What will the average depth of wells be? _____ m

(c) State:

(i) the proposed hours of operation of the site

(ii) hours of operation of the drilling rig; and

(iii) hours of use of other machinery within the site (eg generators, pumps etc etc).

(d) Confirm details of drilling rig, including height and means of screening/noise attenuation

(e) State details and proposed facilities for the storage of oil, fuel and chemicals and the proposed means of their protection.

(f) Confirm details of site security, including lighting and boundary treatment.

Production

A4.3 (a) Please state:

- (i) Anticipated maximum volume of oil/gas (delete as appropriate) to be extracted
barrels/standard cubic feet (delete as appropriate) per day _____ Total per annum _____
- (ii) Total reserves anticipated from the field _____ total
- (iii) Life of the field _____ years
- (iv) Equipment and plant to be used.
- (v) Height of nodding donkey.
- (v) Anticipated capacity for the plant.
- (vi) Location of any off-site processing plant.

(b) Please state the proposed method(s) of transport of oil and/or gas from well(s) to gathering, processing and storage facilities (eg pipelines, rail, road or shipping)

(c) State:

- (i) the proposed hours of operation of the site

	<hr/> <p>(ii) hours of operation of the drilling rig; and</p> <hr/> <p>(iii) hours of use of other machinery within the site (eg generators, pumps etc etc).</p> <hr/>
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Specific Environmental Effects of the Proposals

A4.4	(a) Please state oil spill contingency plans and measures for the protection of surface and groundwater. <hr/> <hr/>
	(b) Please state measures taken to minimise atmospheric and noise emissions. <hr/> <hr/>
	(c) Please state proposed methods to be used to dispose of drilling wastes and other operational waste arisings. <hr/> <hr/>
A4.5	Summarise specific restoration proposals. <hr/> <hr/> <hr/> <hr/>

GUIDANCE NOTES FOR OIL AND GAS OPERATIONS

Exploration

- A4.1** All information should be referenced to supporting plans. If seismic surveys are to be used then it is accepted that seismic investigations generally involve limited environmental effects, and in many cases, this type of development - particularly involving vibroseis techniques - may be regarded as 'de minimus' (ie not requiring planning permission). Good practice requires that applicants notify the CPA as well as district and highway authorities of the proposals. (Operators may also need to inform other statutory bodies such as the water companies and police in relevant circumstances). Information requirements are for the proposed seismic method; and ground vibrations at nearest affected properties (if relevant).

Appraisal

- A4.2** All information should be referenced to supporting plans which must be specified in the main minerals application form. Applicants should also provide a summary of relevant information derived from exploration phases.

Production

- A4.3** All information should be referenced to supporting plans which must be specified in the main minerals application form.

Specific Environmental Effects of the Proposals

- A4.4** Applicants should summarise other on-site works associated with the proposed development or designed to protect the environment. This information is often best dealt with in an environmental statement. Applicants should clarify this requirement with the MPA.
- A4.5** The restoration of sites following unsuccessful exploration drilling should normally be undertaken immediately or as soon as possible after drilling has ceased.
- In the case of appraisal and production sites, a comprehensive restoration and aftercare scheme should be submitted with this application.
- For sites containing all field facilities (including pipelines, distribution terminals, gathering stations etc) applicants should provide plans for abandonment and reinstatement at the end of the permitted period. Applicants should note that the MPA may also require additional safeguards through planning obligations to ensure this removal takes place.