

Annex 1: Mineral Extraction and Processing

FOR OFFICIAL USE ONLY
Application No.
Date

Application to Carry Out Mineral Working and Associated Development

TOWN AND COUNTRY PLANNING ACT 1990

NOTE: APPLICANTS SHOULD COMPLETE ALL RELEVANT QUESTIONS CONCERNING MINERAL EXTRACTION AND PROCESSING.

Mineral Extraction

A1.1 Please state:

(i) Mineral(s) to be extracted: Natural Gas

(ii) Total quantity of saleable minerals to be extracted tonnes: 15 mmscfd

(iii) Area of excavation hectares - not applicable

(iv) Maximum depth of surface working metres - not applicable

(v) Proposed duration of mineral extraction

Duration of operations²⁵ years

Start date²⁰¹⁴ End date²⁰³⁹

(vi) End use (eg construction, industrial processes etc) and immediate proposed destination of mineral(s) products: gas production from existing Ebberston Moor 'A' Well Site and construction of pipeline for the purpose of delivering natural gas and condensate to Knapton Generating Station.

(vii) The location of any off-site processing plant: Knapton Generating Station, East Knapton, North Yorkshire YO17 8JF

A1.2 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:

(i)	Depth (mm)		Volume (m ³)
	(Average)	(Ranges)	
Topsoil existing on site	300mm		3168
Subsoil existing on site	1100mm		11616
Overburden to be removed	0		n/a

(ii) Please specify the area of agricultural land (ha) and grades affected under the Agricultural Land Classification by extraction Predominately Grades 2, 3a, 3b and 4.

(iii) Summarise the provision to be made for the temporary or permanent storage of soils or overburden: Refer to Chapter 6 of the ES

(iv) Please specify whether the proposal involves the felling, lopping or works to any trees Refer to Chapter 8 of the ES.

A1.3 Summarise wastes which will result from extraction operations (types and quantities).
Refer to Chapters 4 and 6 of the ES.

A1.4 Summarise the evaluation procedures undertaken to assess the quality of the minerals and the results of these
Successful exploration at existing Ebberston Moor 'A' Wellsite in 2006.

A1.5 Summarise the proposed method of extraction and scheme of working including phasing
Refer to Chapter 6 of the ES.

Mineral Processing (NOT APPLICABLE)

A1.6 Type and quantity of material to be processed on site

Type	Maximum tonnes per annum
.....
.....
.....

A1.7 Mineral products from processing:

- type a) Estimated annual production tonnes
 - type b) Estimated annual production tonnes
 - type c) Estimated annual production tonnes
-

A1.8 Summarise plant and machinery to be used in processing of minerals
Refer to Chapter 4 of the ES.

A1.9
(i) Maximum height of plant as measured from existing ground level.4.8..... metres

(ii) Maximum height of stockpiles or storage facilities for
processed material as measured from existing ground level metres (Not Applicable)

A1.10 Plant capacity

	Tonnes per Hour	Tonnes per Year
Estimated normal capacity of processing plant		
Estimated maximum capacity of processing plant	n/a	n/a

A1.11 Source of water (if any) to be used in processing: Not Applicable.

A1.12 Details of waste arising from processing:

(i) Nature of waste.

(ii) Estimated annual quantity produced metres³

(iii) Please specify maximum height(s) of any waste/tip(s) as measured from existing ground level metres

(iv) Is it proposed for waste tips to be located within excavations? YES/NO

(v) Is it proposed to dispose of any wastes at a separate site? YES/NO

If yes, please state the location

(vi) Specify methods to be used to transport waste (e.g. pipeline, conveyor belt)
Removal by HGV.

(vii) Will the mineral processing involve tailing lagoons? YES/NO

Other Buildings, Plant or Structures

A1.13 Describe briefly:

(i) Purpose of buildings

Site Office - associated welfare infrastructure for employees, gas fired heater, inlet separator, and water storage tank - Chapter 4 of the ES.

(ii) Size and appearance of buildings etc

Refer to Planning Application drawings and Design and Access Statement.

A1.14 Would any ancillary operations last beyond the period of mineral extraction? --YES/NO

If yes, describes these operations

Traffic and Transport

A1.15 Summarise method(s) of transportation of processed materials

Refer to Chapter 11 of the ES.

A1.16 Is it proposed to use an existing means of access to the application site?

YES/NO

A1.17 Are new access arrangements to be constructed or alterations to existing access proposed? YES/NO--
 If yes, please summarise the proposals
 Refer to Chapter 11 of the ES.

A1.18

	Average	Maximum
Estimated number of loaded vehicles likely to enter or leave the site daily	Refer to Chapter 11 of the ES	
Estimated capacity of loaded vehicles		

(iii) Summarise routes to be used to the primary road network on leaving the application site
 Access to the pipeline route is from the local road network including: A170; Ebberston Common Lane; Ebberston Lane; B1415 Penniston Lane; Allerston Lane; Marishes Lane and B1258 Malton Road where the pipeline route crosses these roads.

(iv) Proposed methods to be used to control transport impacts
 Refer to Chapter 11 of the ES.

Environmental Effects of Development

A1.19 To the best of your knowledge is any part of the application site covered by statutory designations including habitats of protected species?
 If yes, specify these YES/NO NO

A1.20 Proposed hours of operation of the site

	Time Periods (hours)	Days of Weeks
(i) Soil stripping and overburden removal	Please see Chapter 6 of the ES	
(ii) Mineral working	24 hours	7 days a week
(iii) Mineral processing	n/a	n/a
(iv) Vehicular movements	Mon - Fri 07:00 - 18:00 & Sat 07:00 to 13:00	5.5 days a week
(v) Other (specify)		

A1.21 Noise levels and proposed controls

(i) State existing background noise levels at site boundaries and/or nearest properties, where measured (delete as appropriate)
 Refer to Chapter 10 of the ES.

(ii) State predicted noise levels at site boundaries and/or nearest properties where assessed (delete as appropriate)
 Refer to Chapter 10 of the ES.

(iii) Describe measures for controlling noise and methods for noise monitoring (as relevant)
 Refer to Chapter 10 of the ES.

A1.22 Describe proposed measures for controlling and suppressing dust (including treatment of storage heaps) and minimising the spread of any minerals and waste onto the public highway

Refer to Chapter 9 of the ES.

A1.23 Blasting (where relevant)

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

(ii) State anticipated frequency and hours of blasting (weekdays; other)
Not Applicable

(iii) Indicate proposed public warnings for blasting
Not Applicable

(iv) Specify proposed methods for monitoring vibration from blasting
Not Applicable

A1.24 Will any hazardous materials be used or stored on site? YES/NO
If yes, specify type and storage method

A1.25 Water

(i) Outline any proposed measures to control water pollution and drainage/flood control measures
Refer to Chapter 15 of the ES.

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

If dry, describe proposed methods of dewatering, proposed method of water disposal and any proposed mitigation measures.

Refer to Chapter 15 of the ES.

(iii) State the measures to be taken to prevent the spillage or seepage of fuel oils during delivery, storage and handling on site.
Refer to Chapter 15 of the ES.

A1.26 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
Not Applicable

A1.27 Does your proposal affect a public right of way? YES/NO
If yes, ensure proposed diversions and/or closures are indicated on a plan.

A1.28 Outline any visual impact and landscaping proposals during working
Refer to Chapter 8 of the ES.

A1.29 Outline any measures to ensure stability of working faces, tips and associated structures - Not Applicable

Landfilling of Mineral Extraction Sites (to be completed where relevant) (NOT APPLICABLE)

A1.30 Does your proposal include landfilling with any imported wastes? YES/NO

If yes, please specify:

(i) Estimated maximum void space for filling metres³

(ii) Proposed total area to be filled hectares

A1.31 Nature of materials to be deposited and the estimated annual rate of disposal (excluding material for soil formation, cover and restoration), if known

	Quantity (m ³) per Annum	Nature	Proportion Inert	Source(s)
Household				
Industrial				
Commercial				
Other wastes (please specify)				

A1.32 State the nature of any built development within 250 metres of areas proposed to be landfilled with household, industrial or commercial wastes.

A1.33 Summarise proposed measures for monitoring and controlling:
 (i) landfill gas;

(ii) leachates

Restoration, Aftercare and Afteruse

A1.34 (i) Summarise the intended afteruse or uses: Approximately

Agricultural	YES/NO-	Total areahectares
Forestry	YES/NO-	Total areahectares
Amenity (specify)	YES/NO	Total areahectares
Other (specify)	YES/NO	Total areahectares

(ii) Is restoration and aftercare to be phased? YES/NO-
 If yes, please summarise number and duration of phases
 To be agreed with the landowners.

A1.35 Give details of the proposed use of soil materials in restoration

	Total Amounts (m ³)	Average Thickness to be Spread (mm)
Topsoil from site	3168	300mm
Subsoil from site	11616	1100mm
Overburden/other soil making material	0	0
Other soil sources (please state)	0	0

A1.36 Summarise the methods and machinery to be used in stripping, restoring soils and formation of storage mounds.
 Refer to Chapter 6 of the ES.

A1.37

(i) Is any restoration work likely to take place within 12 months of the commencement of working? YES/NO
If yes, describe the proposed aftercare.
Not Applicable

(ii) 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.
Refer to Chapter 6 of the ES.

(iii) Who would carry out the aftercare operations?
The Applicant

(iv) Are there any specific proposals or agreements for the management of the land following completion of 'aftercare'? -YES/NO
If yes, please summarise

Benefits of the Development

A1.38 Indicate the benefits of the proposals

Refer to the Planning and Sustainability Statement.
