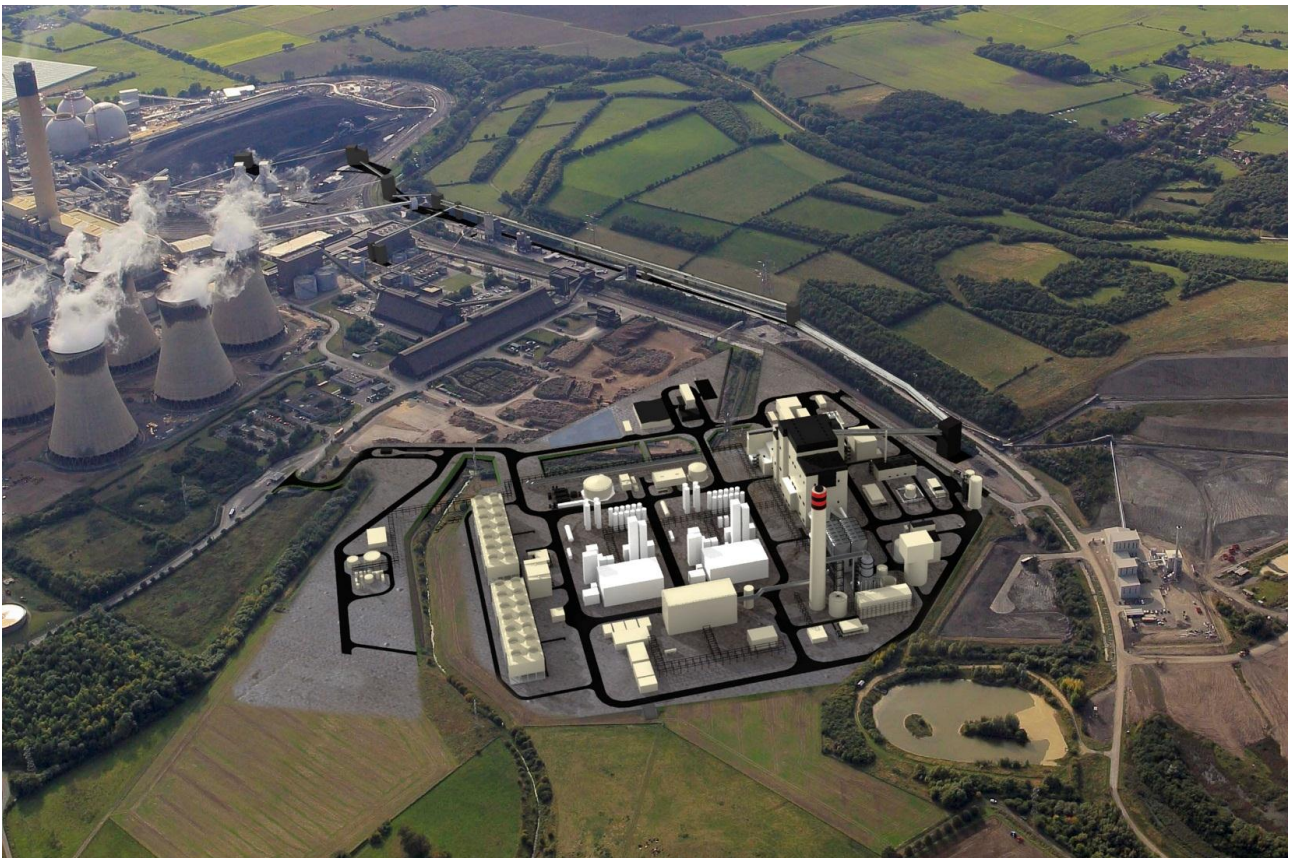


White Rose Carbon Capture and Storage (CCS) Project

Land adjacent to and within the Drax Power Station site, Drax, near Selby, North Yorkshire

**Environmental Permit
Chapter III – Site Layout Plan**



Applicant: Drax Power Limited
Date: April 2015

Document History

Document Number	1		
Revision	0.1		
Author	Luke Jenkins		
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Approved By			
Signed		Date	
Document Owner	Drax Power Plc		

Revision History			
Revision No.	Date	Reason for Revision	Authorised By
0.1	31.03.15	Final Version	

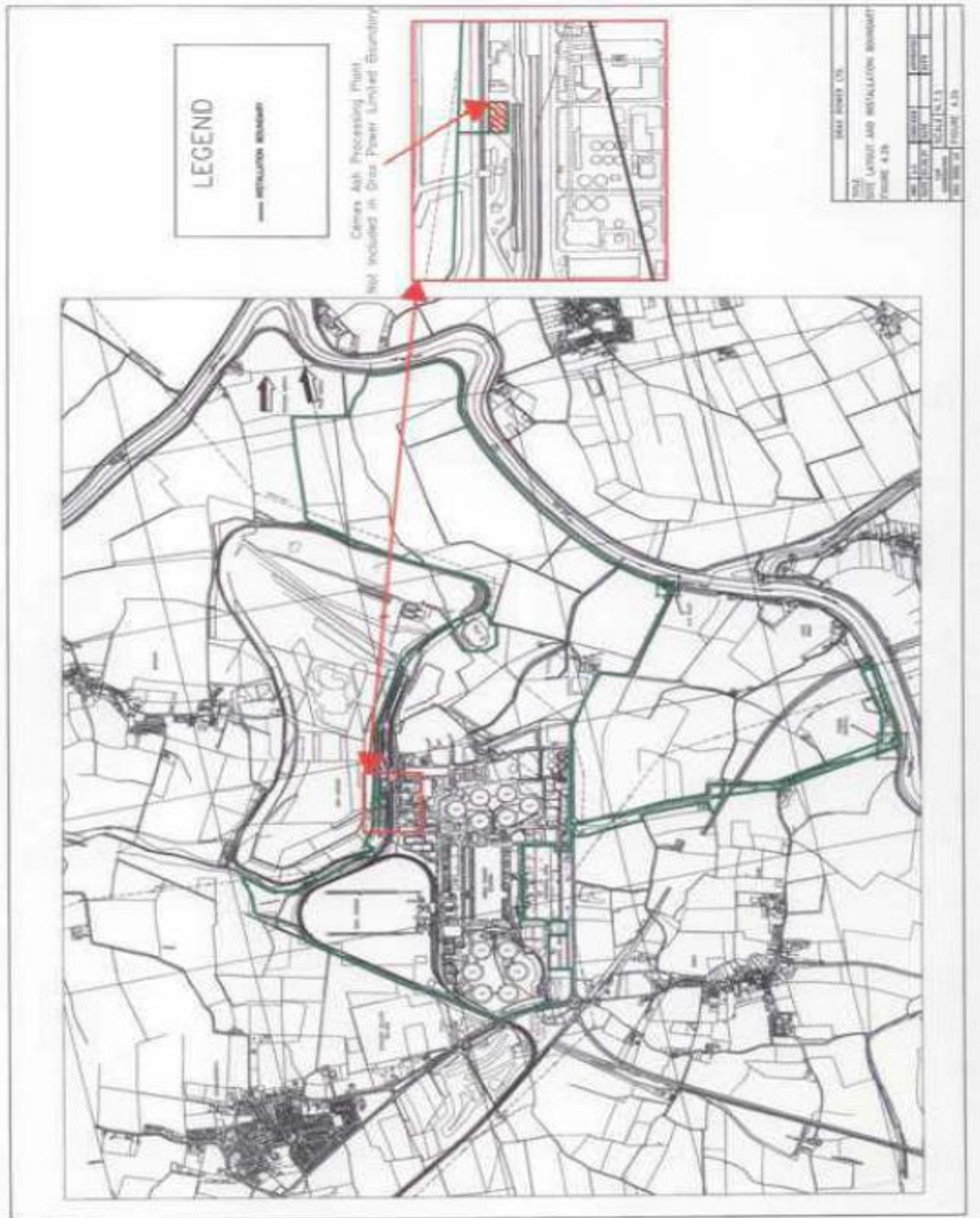
CONTENTS

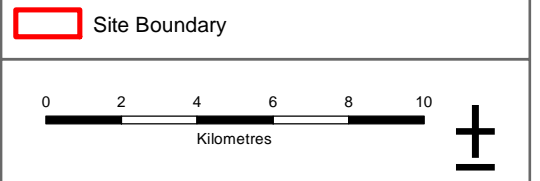
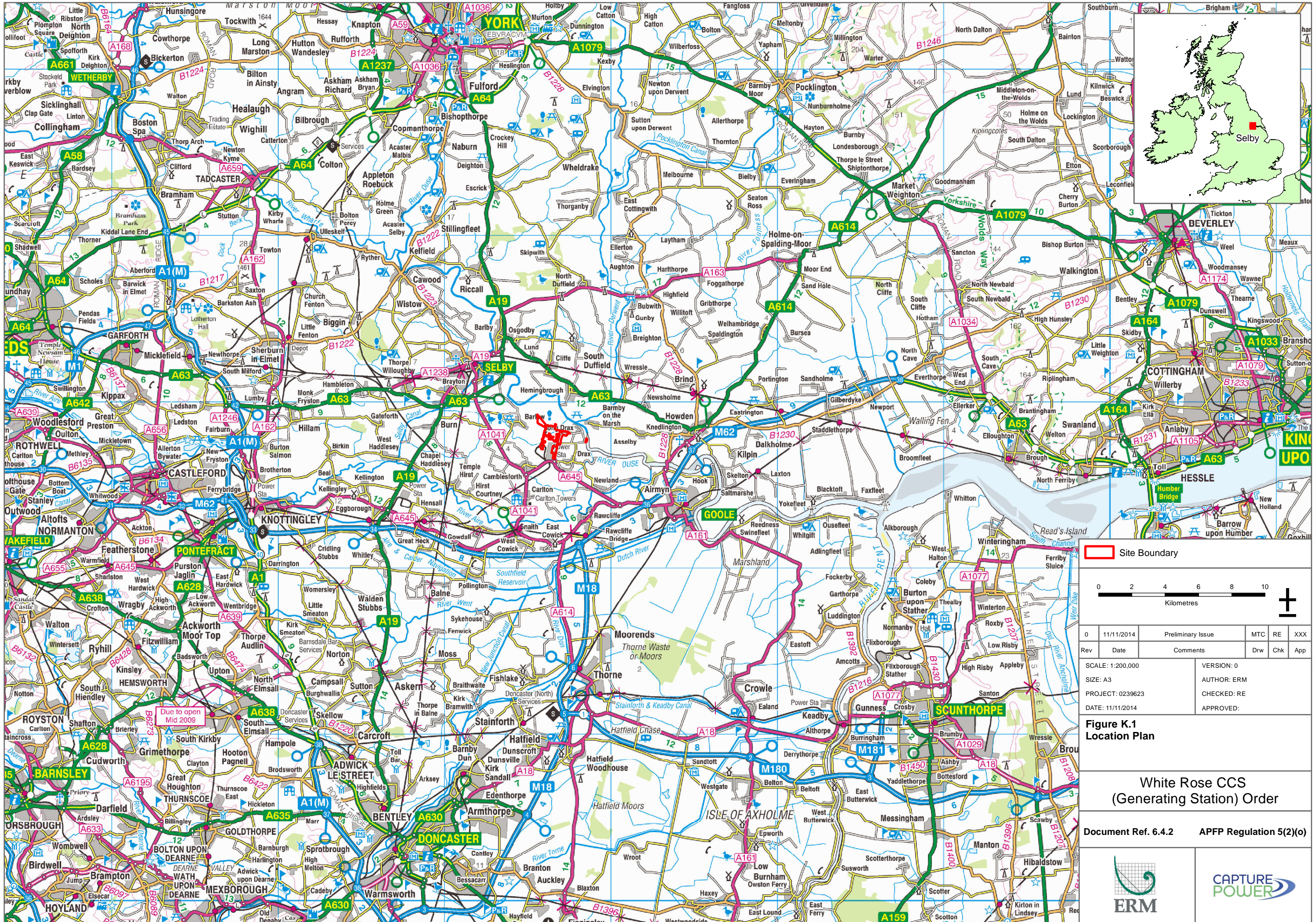
1.0	INTRODUCTION.....	1
2.0	SITE LAYOUT PLAN.....	ERROR! BOOKMARK NOT DEFINED.

1.0 INTRODUCTION

- 1.1 Capture Power Ltd (CPL) plans to construct a new 448 MWe (gross output) ultra-super critical coal fired power station. The Project will have the capacity to provide electricity sufficient for 630,000 households whilst capturing two million tonnes of carbon dioxide (CO₂) per year arising from the combustion process (approximately 90% of CO₂ emissions generated by the plant). The generating station and the means to capture CO₂ together comprise the White Rose Carbon Capture and Storage (CCS) Plant.
- 1.2 The Project is a key part of the UK's development and commercialisation of CCS, which the Government is supporting through over £1billion of capital and research and development funding. Additionally, the Project will support the development of a CO₂ transmission pipeline (a separate project developed by National Grid Carbon Ltd (NGCL)) which it is hoped will, in the future, be used by other industries and power stations in the Yorkshire and Humber area to transport their CO₂ emissions for permanent storage in the North Sea in geological features.
- 1.3 The application site (henceforth the 'Project site') is located on land adjoining the existing Drax Power Station in North Yorkshire, England. CO₂ captured will not be stored on site as the Project will link to a CO₂ transport and storage solution as noted above. The Project is in line with Government strategies (for instance the CCS Roadmap (1)) for controlling the construction / operation of new electrical generation infrastructure whilst meeting carbon reduction targets for the energy sector in the UK.
- 1.4 A separate Development Consent Order has been submitted to The Planning Inspectorate and was 'Accepted for Examination' on 17 December 2015 but did not include application for a deemed Environmental Permit. Due to the proposed activities of White Rose Carbon Capture and Storage it has been agreed with the Environment Agency that the current Drax Power Limited Environment Permit (VP3530LS) can be varied to accommodate the operations of the White Rose Carbon Capture and Storage Plant.
- 1.5 This Environmental Permit application is made in order to make a variation to the existing Drax Power limited Environment Permit (VP3530LS). The application forms and the associated chapters form the application for a variation to the Environmental Permit which will seek to add the activities of the White Rose Carbon Capture and Storage project to the existing Drax Power Limited Environmental Permit.
- 1.6 For the Project's site layout plan, section 2 of this report shows the operational land of Drax Power Station, in addition, Annex A shows the Generating Station Site for the Project as well as the Fuel Intake, Limestone and Gypsum and Fuel Ash Handling Transportation Infrastructure. Both these areas are within the Operational Boundary as indicated in the Site Layout Plan.

2.0 SITE LAYOUT PLAN





0	11/11/2014	Preliminary Issue	MTC	RE	XXX
Rev	Date	Comments	Drw	Chk	App

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 PROJECT: 0239623
 DATE: 11/11/2014

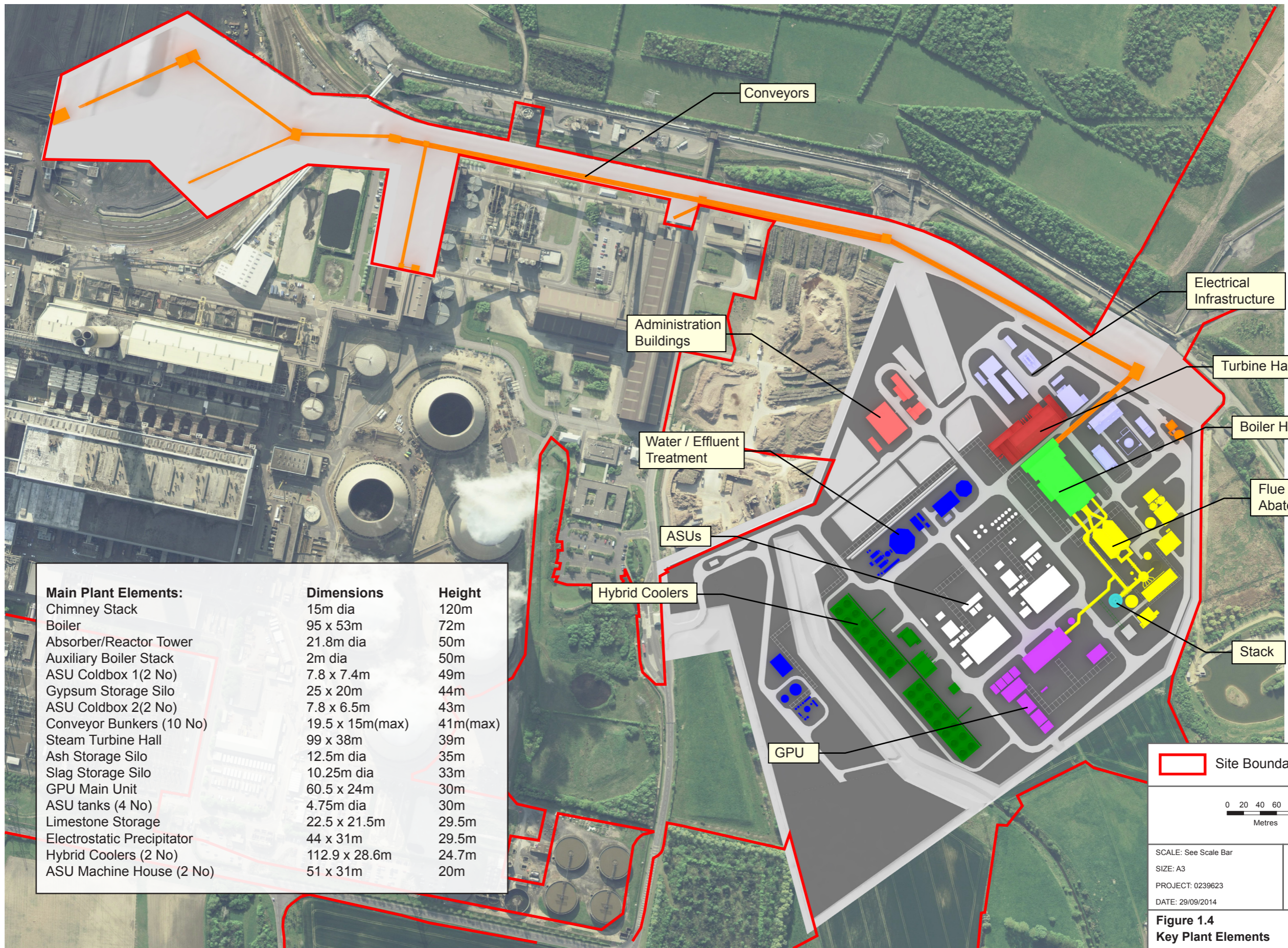
VERSION: 0
 AUTHOR: ERM
 CHECKED: RE
 APPROVED:

**Figure K.1
 Location Plan**

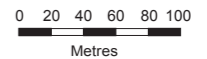
**White Rose CCS
 (Generating Station) Order**

Document Ref. 6.4.2 APFP Regulation 5(2)(o)



Site Boundary

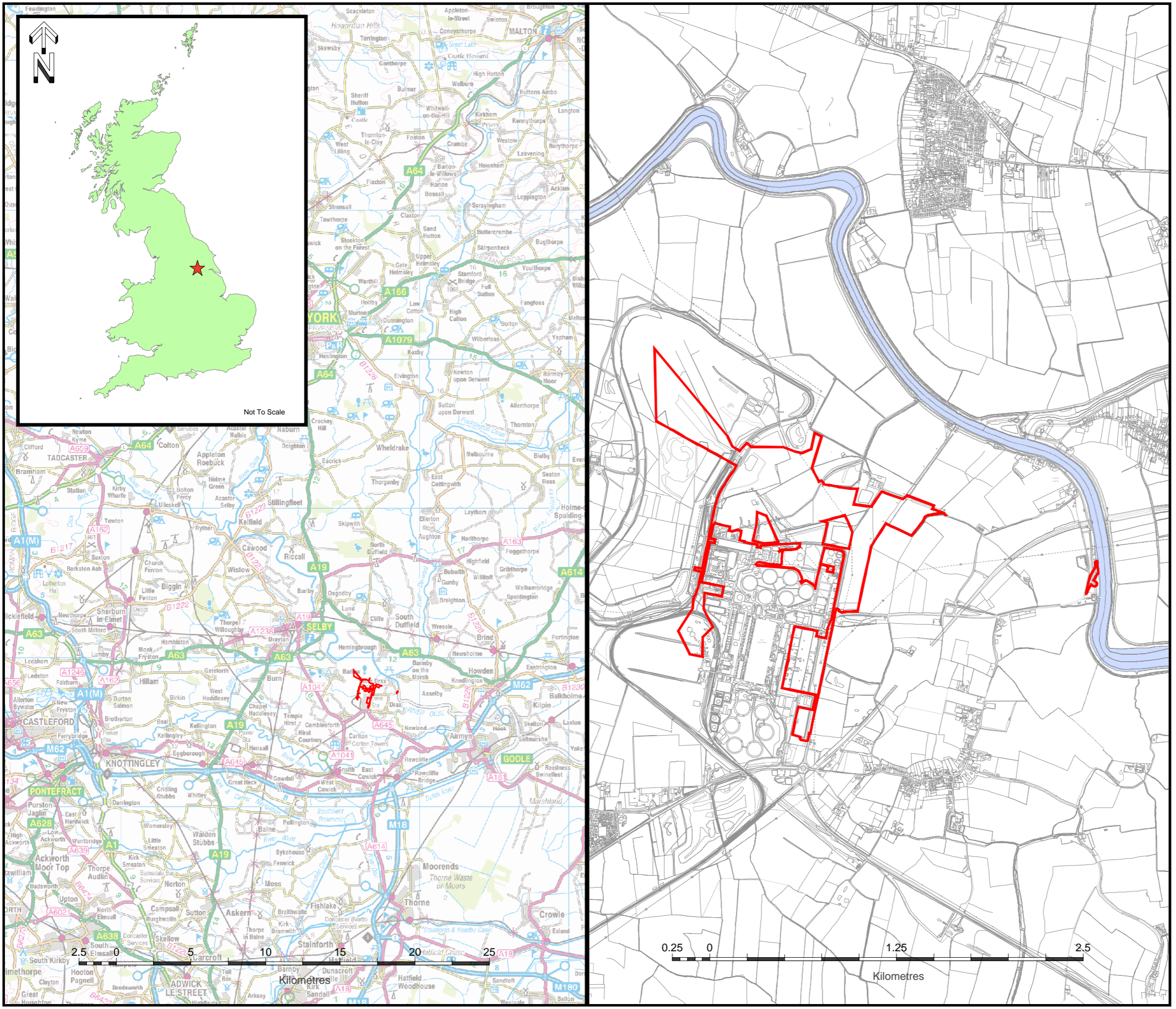


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 SIZE: A3
 PROJECT: 0239623
 DATE: 29/09/2014

VERSION: A
 DRAWN: MAS
 CHECKED: RE
 APPROVED:

Figure 1.4
Key Plant Elements





- Legend:
- DCO (Application Site) Red Line Boundary
 - ★ DCO (Application Site) Location

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Title:
The White Rose CCS (Generating Station) Order - Site Location Plan
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009
Regulation 5(2)(o) Document Reference: 4.1

Scale: 1:250,000@ A3 and 1:25,000@ A3	Date: November 2014
Drawing No: Sheet 1 of 1	Revision: v1

Approved By: TP	Checked By: MD	Drawn By: AA
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