



- Key:**
- Order Limits
 - Pipe Bridges and Ducting
 - Aboveground Carbon Dioxide Pipeline
 - Underground Carbon Dioxide Pipeline

- Notes:**
1. This drawing includes only the main plant equipment / buildings as referenced in Schedule 14 of the draft DCO.
 2. Although the layout configuration, dimensions and number of plant equipment / buildings presented should be considered indicative, it represents the current concept design which has been developed from thorough and detailed engineering work with consideration given to the deliverability and integration with the existing Drax Power Station. For reference of the maximum parameters used for the environmental assessment, please refer to Schedule 14 of the draft DCO.
 3. 7 metre easement from the culvert walls of Carr Dyke required. Route and width of culvert indicatively shown on plan but to be confirmed during surveys at Detailed Design.
 4. Any works associated with replacements, upgrades or modifications of existing plant equipment / buildings have not been shown in this drawing. However, specific details for each of these works have been outlined below for reference, and details of all works have been included in Chapter 2 - Project Description of the Environmental Statement and Schedule 1 of the draft DCO.
 - 4.1. An alternate secondary electrical supply for the BECCS equipment would be provided from the existing 132 kV air insulated switchgear through upgrade works on the existing 400 kV National Grid substation, the existing 132 kV air insulated switchgear, replacement of existing 132 kV underground cabling and restriking of existing 132 kV overhead powerlines, and installation of new distribution voltage infrastructure.
 - 4.2. Cooling requirements would be provided using the existing northern cooling towers. Modification works would be required to the existing cooling water pumps and reconfiguration of the cooling water discharge manifold.
 - 4.3. Modification, upgrade and extension works would be required to the existing Unit 1 and Unit 2 to enable steam extraction and supply to the BECCS equipment.
 - 4.4. Modification and refurbishment works would be required to the existing Unit 1 and Unit 2 electrostatic precipitators.
 - 4.5. Replacement and upgrade works would be required to the existing main generator transformers for Unit 1 and Unit 2.
 - 4.6. Retrofitting works would be required to the existing Sedimentation Tanks to ensure suitable quality of circulating water through the BECCS plant.

Item	Description
1	Gas / Gas Heat Exchanger
2	Quench Column
3	Absorber Column
4	Solvent Regeneration System (Regenerators and Solvent Processing)
5	Rich Solvent / Lean Solvent Heat Exchangers
6	Main Process and Services Rack
7	Steam Pipe Bridge
8	Combined Power Turbines Building
9	Pressure Reducing De-Superheating Station Buildings
10	Solvent Storage and Make-up System
11	Carbon Dioxide Pipe Bridge
12	Carbon Dioxide Processing and Compression Plant
13	Carbon Dioxide Main Vent Stacks
14	Carbon Capture Wastewater Treatment Plant
15	Electrical Switchroom Buildings
16	Carbon Dioxide Delivery Terminal Compound (National Grid Carbon Limited)
17	Fire Water Tanks

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PROJECT TITLE			
DRAX BECCS DCO			
DRAWING TITLE			
FIGURE 2.2: INDICATIVE PLANT EQUIPMENT LAYOUT			
DRAWING STATUS			
FOR ISSUE			
DRAWN	CHECKED	APPROVED	AUTHORISED
CH	RM	MM	NA
SCALE @ A0 SIZE	DATE	REVISION	
1:1,250	06/05/2022	P01	
DRAWING NUMBER			
EN010120-PA-ES-6.2.2.2			

