

SCHEDULES

SCHEDULE 1

Article 2

AUTHORISED DEVELOPMENT

In the Borough of Redcar and Cleveland and the Borough of Stockton and Tees a nationally significant infrastructure project as defined in sections 14(1)(a) and 15 of the 2008 Act, and development which is to be treated as development for which development consent is required by direction under sections 35(1) and 35ZA of that Act, and associated development under section 115(1)(b) of that Act, comprising—

Work No. 1 – an electricity generating station fuelled by natural gas and with a gross output capacity of up to 860 megawatts (MWe) comprising—

- (a) Work No. 1A – a combined cycle gas turbine plant, comprising—
 - (i) a gas turbine;
 - (ii) a steam turbine;
 - (iii) a heat recovery steam generator (HRSG);
 - (iv) gas and steam turbine buildings;
 - (v) gas turbine air intake filters;
 - (vi) selective catalytic reduction equipment;
 - (vii) HRSG stack;
 - (viii) a transformer;
 - (ix) deaerator and feed water pump buildings;
 - (x) chemical sampling / dosing plant;
 - (xi) demineralised water treatment plant, including storage tanks;
 - (xii) electrical substation, including electrical equipment, buildings and enclosures;
 - (xiii) gas reception facility, including gas supply pipeline connection works, gas receiving area, gas pipeline internal gauge receiver for pipe inspection, emergency shutdown valves, gas vents and gas metering, and pressure reduction equipment;
 - (xiv) auxiliary boiler and emissions stack; and
 - (xv) continuous emissions monitoring system;
- (b) Work No. 1B – CCGT and CCP cooling and utilities infrastructure, comprising—
 - (i) mechanical draft cooling towers;
 - (ii) cooling water pumps, plant and buildings;
 - (iii) cooling water dosing and sampling plant and buildings;
 - (iv) standby diesel generator and emissions stack;
 - (v) diesel fuel storage tanks and unloading area;
 - (vi) fire and raw water storage tanks;
 - (vii) chemical storage facilities;
 - (viii) wastewater treatment plant and building; and

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- (ix) effluent, stormwater and firewater retention ponds;
 - (c) Work No. 1C – CCP, comprising—
 - (i) flue gas pre-treatment plant and blower;
 - (ii) carbon dioxide absorption column and associated stack;
 - (iii) carbon dioxide stripper and solvent regenerator;
 - (iv) carbon dioxide conditioning and compression equipment; and
 - (v) ancillary equipment, including pumps, chemical storage, water washing equipment, acid washing equipment and pipework;
 - (d) Work No. 1D – administration, control room and stores, comprising—
 - (i) administration and control buildings; and
 - (ii) workshop and stores buildings; and
 - (e) Work No. 1E – ancillary works in connection with Work Nos. 1A, 1B, 1C and 1D—
 - (i) ancillary plant, buildings, enclosures and structures;
 - (ii) pipework, pipe runs and pipe racks;
 - (iii) firefighting equipment, buildings and distribution pipework;
 - (iv) lubrication oils storage facilities;
 - (v) permanent plant laydown area for operation and maintenance activities; and
 - (vi) mechanical, electrical, gas, telecommunications and water networks, pipework, cables, racks, infrastructure, instrumentation and utilities, including connections between Work Nos. 1A, 1B, 1C and 1D and parts of Work Nos. 2A, 3, 4, 5, 6, 7 and 8.
- Work No. 2** – a gas connection, being works for the transport of natural gas to Work No. 1A, comprising—
- (a) Work No. 2A – underground high pressure gas pipeline, comprising—
 - (i) an underground high-pressure gas supply pipeline of up to 600 millimetres nominal bore diameter;
 - (ii) cathodic protection posts;
 - (iii) marker posts; and
 - (iv) underground electrical supply cables, transformers and control systems cables; and
 - (b) Work No. 2B – above ground installations connecting Work No. 2A to the National Transmission System, comprising—
 - (i) a compound for National Gas Transmission plc’s apparatus, comprising—
 - (aa) an offtake connection from the National Transmission System;
 - (bb) above and below ground valves, flanges and pipework;
 - (cc) remotely operated valve and valve bypass;
 - (dd) an above or below ground pressurisation bridle;
 - (ee) instrumentation and electrical kiosks; and
 - (ff) telemetry and communications equipment;
 - (ii) compounds for the undertaker’s apparatus, comprising—
 - (aa) above and below ground valves, flanges and pipework;
 - (bb) isolation valves;
 - (cc) pipeline inline gauge launching facility;

- (dd) instrumentation and electrical kiosks; and
- (ee) telemetry and communications equipment; and
- (iii) in connection with Work No. 2B, access works, vehicle parking, electrical and telecommunications connections, surface water drainage, security fencing and gates, closed circuit television cameras and columns.

Work No. 3 – works for the export of electricity from Work No. 1A to the National Grid Electricity Transmission system, comprising—

- (a) Work No. 3A – an electrical connection from Work No. 1A to Work No. 3B, comprising 275 kilovolt underground and overground electrical cables and control systems cables, and the connection between Work No. 3B and the National Grid Tod Point substation; and
- (b) Work No. 3B – a new electrical substation at Tod Point, including electrical equipment, buildings, enclosures and extension works at the National Grid substation.

Work No. 4 – water supply connection works to provide cooling and make-up water to Work No. 1, comprising up to two water pipelines of up to 1100 millimetres nominal bore diameter from the existing raw water main.

Work No. 5 – wastewater disposal works in connection with Work No. 1, comprising—

- (a) Work No. 5B – a new water discharge pipeline to the Tees Bay; and
- (b) Work No. 5C – up to two new wastewater pipelines between Bran Sands Wastewater Treatment Plant and Work No. 1.

Work No. 6 – a carbon dioxide gathering network, comprising underground and overground pipelines of up to 550 millimetres nominal bore diameter for the transport of carbon dioxide to Work No. 7.

Work No. 7 – a high pressure carbon dioxide compression station, comprising—

- (a) inlet metering;
- (b) compression facilities;
- (c) electrical connection and substation;
- (d) hydrogen storage; and
- (e) mechanical, electrical, gas, telecommunications, pipework, cables, racks, infrastructure, instrumentation and utilities, including connections between Work No. 7 and Work Nos. 1A, 1B, 1C, 1D, 6 and 8.

Work No. 8 – high pressure carbon dioxide export pipeline corridor, comprising an overground and underground pipeline of up to 800 millimetres nominal bore diameter and associated power and fibre-optic cables.

Work No. 9 – temporary construction and laydown areas, comprising hardstanding, laydown and open storage areas, contractor compounds and construction staff welfare facilities, gatehouse and weighbridge, vehicle parking and cycle storage facilities, internal roads and pedestrian and cycle routes, security fencing and gates, external lighting including lighting columns, and, closed circuit television cameras and columns, comprising—

- (a) Work No. 9A – Teesworks laydown;
- (b) Work No. 9B – Navigator Terminal and Seal Sands laydown;
- (c) Work No. 9C – INEOS laydown;
- (d) Work No. 9D – Saltholme laydown;
- (e) Work No. 9E – Saltholme laydown; and
- (f) Work No. 9F – Haverton Hill laydown.

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Work No. 10 – access and highway improvements, comprising works to create, improve, repair or maintain access roads, haul roads and access points.

In connection with and in addition to Work Nos. 1 to 10, further associated development comprising such other works or operations as may be necessary or expedient for the purposes of or in connection with the authorised development, and which are within the Order limits and fall within the scope of the work assessed by the environmental statement, including—

- (a) surface water drainage systems, storm water attenuation systems including storage basins, oil water separators, including works to existing drainage systems;
- (b) electrical, gas, potable water supply, carbon dioxide, foul water drainage and telecommunications infrastructure connections and works, and works to alter the position of services and utilities connections;
- (c) hardstanding and hard landscaping;
- (d) soft landscaping, including embankments and planting;
- (e) biodiversity enhancement measures;
- (f) security fencing, gates, boundary treatment and other means of enclosure;
- (g) external lighting, including lighting columns;
- (h) gatehouses;
- (i) closed circuit television cameras and columns and other security measures;
- (j) site establishment and preparation works, including—
 - (i) site clearance (including vegetation removal, demolition of existing buildings and structures);
 - (ii) earthworks (including soil stripping and storage and site levelling) and excavations;
 - (iii) remediation works;
 - (iv) the creation of temporary construction access points;
 - (v) the alteration of the position of services and utilities; and
 - (vi) works for the protection of buildings and land;
- (k) temporary construction laydown areas and contractor facilities, including—
 - (i) materials and plant storage and laydown areas;
 - (ii) generators;
 - (iii) concrete batching facilities;
 - (iv) vehicle and cycle parking facilities;
 - (v) pedestrian and cycle routes and facilities;
 - (vi) offices and staff welfare facilities;
 - (vii) security fencing and gates;
 - (viii) external lighting;
 - (ix) roadways and haul routes;
 - (x) wheel wash facilities; and
 - (xi) signage;
- (l) vehicle parking and cycle storage facilities;
- (m) accesses, roads and pedestrian and cycle routes; and
- (n) tunnelling, boring, piling and drilling works and management of arisings.