S C H E D U L E S

SCHEDULE 2 Article 3

REQUIREMENTS

Time limits

1. The authorised development must not commence later than the expiration of 5 years beginning with the date on which this Order comes into force.

Authorised development to be carried out in accordance with certified plans and documents and with matters approved under requirements

2.—(1) The authorised development must be carried out in accordance with–

(a) the plans and documents certified by the Secretary of State as true copies of the documents referred to in this Order;

(b) subject to requirement 20, any other plans, schemes or documents approved in writing by the relevant planning authority pursuant to the requirements; and

(c) the parameters specified in Tables 1 – 11 below.

(2) In these tables "AOD" means above ordnance datum.

Table 1

Gas Processing plant (Work No.14)

Building or structure (part of Work No.14)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 33-34 metres AOD)*	*Minimum height (metres above existing site level of approximately 33-34 metres AOD)*
Control room workshop	30.0	40.0	5.0	
Substation	20.0	25.0	4.0	
Instrument room (DCS)	6.0	8.0	4.0	
Compressor house (2 off)	20.0	28.0	10.0	
First gas fill compressor and cooler package	6.0	28.0	7.0	
Motor coolers (10 off)	6.0	8.0	4.0	

Building or structure (part of Work No.14)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 33-34 metres AOD)*	*Minimum height (metres above existing site level of approximately 33-34 metres AOD)*
Gas coolers	18.0	22.0	5.0	
Drying towers (4 off)	4.0	4.0	10.0	
Air cooled condensers (2 off)	6.0	8.0	4.0	
Regeneration heaters (6 off)	12.0	6.0	5.0	
Water heater buildings (2 off)	10.0	25.0	8.0	
Transformers /VSD's (5 off)	6.0	15.0	5.0	
Glycol storage (2 off)	15.0	21.0	4.0	
Gas Preheater Boiler Vents (4 off)	0.8 (external diameter) 0.69 (internal diameter)	–	10.0	10.0
Glycol Regeneration Boiler Vents (6 off)	0.8 (external diameter) 0.22 (internal diameter)	–	10.0	10.0
Emergency cold vent	0.60(Diameter)	–	25.0	25.0

Table 2

Solution mining compound (Work Nos 4 & 23)

Building or structure (part of Work No.4 or 23)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 37-38 metres AOD)*	*Minimum height (metres above existing site level of approximately 37-38 metres AOD)*
Pumphouse for both weak brine and water booster pumps	12.5	65.0	4.0	

Building or structure (part of Work No.4 or 23)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 37-38 metres AOD)*	*Minimum height (metres above existing site level of approximately 37-38 metres AOD)*
Pump switchrooms (2 off)	10.0	20.0	3.5	
Control and amenities building	10.0	14.0	3.5	
Distributed control system building	6.0	8.0	3.5	
Electrical compound/ switchroom (Work No 23)	20.0	25.0	3.5	
Liquid nitrogen storage vaporisation package	8.0	16.0	3.0	
Liquid nitrogen storage compound	10.0	20.0	4.0	
Brine de-gassing tanks (2 off)	15.0	20.0	4.0	
Within concrete bund	20.0	25.0	3.5	
Nitrogen vent	0.08 (Diameter)		9.0	5.0

Table 3

Gas marshalling compounds (Work Nos 20 & 21)

Building or structure (Part of work no.20 or 21)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level 0f approximately 37-38 metres AOD for work no.20 and 40 metres AOD for work no.21)*	*Minimum height (metres above existing site level of approximately37-38 metres AOD for work no.20 and 40 metres AOD for work no.21)*
Compound with security fence and building listed below:	50.0	50.0	3.0	2.4
Control kiosk	3.0	4.0	2.4	
Security lighting/ camera	1.0 (diameter)		5.5	3.0

Table 4

Electrical 132kV to 33kV sub-station (Work No.25)

Building or structure (Part of work no.25)	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 37-38 metres AOD)*	*Minimum height (metres above existing site level of approximately 37-38 metres AOD)*
Compound with security fence for all equipment listed below:	50.0	80.0	3.0	2.4
Transformers (2 off)	5.0	12.0	7.0	
Isolators (5 off)	2.5	6.0	6.5	
Power correction equipment	2.5	3.0	4.0	
Control room	12.0	8.0	3.6	
Switchroom	12.0	20.0	3.6	
New 132kV pylon (1 off) (Adjacent to existing pylon)	5.0 at base Arms =14.0	5.0 at base	28.0	

Table 5

Wellhead compound—drilling phase (Work Nos 2A to 2U)

Building or structure *Part of work no.2A to 2U)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 33-34 metres AOD)*	*Minimum height (metres above existing site level of approximately 33-34 metres AOD)*
Compound for equipment listed below:	60.0	80.0	2.4	2.0
Drilling rig (vehicle mounted)	3.0	15.0	36.0	
Cement silos (2 off)	2.0	2.0	6.0	

Table 6

Wellhead compound—solution mining phase (Work Nos 2A to 2U)

Building or structure *Part of work no.2A to 2U)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 33-34 metres AOD)*	*Minimum height (metres above existing site level of approximately 33-34 metres AOD)*
Compound and security fence for equipment listed below:	50.0	50.0	24.0	2.0
Solution mining wellhead	1.0	1.0	2.0	
Meter house	2.5	3.0	2.5	

Table 7

Wellhead compound—gas operation phase (Work Nos 2A to 2U)

Building or structure *Part of work no.2A to 2U)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 33-34 metres AOD)*	*Minimum height (metres above existing site level of approximately 33-34 metres AOD)*
Compound with security fence for equipment listed below:	50.0	50.0	3.0	2.0
Gas wellhead	1.0	1.0	4.0	
Control panel	3.0	4.0	3.0	
Glycol injection package	3.0	4.0	4.0	
Security lighting/ camera	1.0 (Diameter)		5.5	3.0

Table 8

Lostock works (Work No.9)

Building or structure *Part of work no.9)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 30 metres AOD)*	*Minimum height (metres above existing site level of approximately 30 metres AOD)*
Pumping tank	6.0 (Diameter)		6.0	
Surge vessel (in bund)	2.5	7.0	3.0	

Table 9

Whitley pumping station (Work No.11)

Building or structure *Part of work no.11)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 50 metres AOD)*	*Minimum height (metres above existing site level of approximately 50 metres AOD)*
Existing pumphouse (to be refurbished)	10.0	12.0	4.0	
Surge vessel	1.5(Diameter)	3.5	2.5	
Transformer	3.0	4.0	2.5	

Table 10

Runcorn site (Work No.10)

Building or structure *Part of work no.10)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 10.5 metres AOD)*	*Minimum height (metres above existing site level of approximately 10.5 metres AOD)*
Pipebridge with walkway	5.0	50.0	15.5	18.0
Brine discharge pipeline	0.5(Diameter)	600.0		
Diffuser pipe	0.4(Diameter)	15.0		

Table 11

National transmission system compound (Work No.12)

Building or structure *Part of work no.12)*	*Maximum width (metres)*	*Maximum length (metres)*	*Maximum height (metres above existing site level of approximately 32metres AOD)*	*Minimum height (metres above existing site level of approximately 32 metres AOD)*
Compound with security fence for equipment listed below:	50.0	60.0	3.0	2.4
Pig trap area	8.0	17.0	2.4	
Control equipment kiosk	3.0	4.0	2.4	
Meter cabinet	0.6	1.5	1.5	
Security lighting/ camera	1.0(Diameter)		6.0	3.0

Construction Environmental Management Plan

3.—(1) No part of the authorised development is to commence until a CEMP for that part has been submitted to and approved in writing by the relevant planning authority.

(2) The CEMP submitted under sub-paragraph (1) must be in accordance with the draft CEMP.

(3) The construction of the authorised development must be carried out in accordance with the CEMP approved under sub-paragraph (1).

(4) The CEMP must include mitigation measures in accordance with those set out in chapters 7 to 14 inclusive, 18, 19 and 22 to 25 inclusive of the environmental statement.

(5) The CEMP must incorporate the following plans and programmes–

(a) landscaping and visual impacts plan;

(b) surface and ground water management plan;

(c) soil management plan;

(d) sediment control plan;

(e) site waste management plan;

(f) biodiversity management plan;

(g) noise and vibration management and monitoring plan;

(h) air quality and dust management plan;

(i) archaeological management plan;

(j) traffic management plan;

(k) lighting plan; and

(l) construction phasing plan.

(6) Each of the plans and programmes detailed in sub-paragraph (4)(a)-(l) must incorporate the following–

(a) responsibilities;

(b) consent requirements;

(c) general control measures;

(d) specific control measures;

(e) monitoring and measurement; and

(f) actions to be taken in the event of an emergency.

(7) The CEMP must require adherence to working hours of 07:00 and 19:00 on Mondays to Fridays and 07:00 and 14:00 on Saturdays except for–

(a) noisy construction operations which will take place between 08.00 and 18.00 on Mondays to Fridays and 08.00 to 14.00 on Saturdays; and

(b) continuous construction operations, including–

(i) drilling;

(ii) weld testing or pipeline testing;

(iii) concrete pour;

(iv) commissioning; and

(v) solution mining.

(8) The CEMP must require that construction operations at the Runcorn site (Work No.10) shall take place between April and September except for limited scrub clearance activities which shall take place between August and September.

Approval of details

4.—(1) No part of the authorised development may be commenced until the following details have been submitted to and approved in writing by the relevant planning authority–

(a) details of the siting and size of–

(i) each wellhead compound (Work Nos 2A to 2U);

(ii) the solution mining compound (Work No.4);

(iii) the fenced compound and connection to the national transmission system (Work No.12);

(iv) the gas processing plant (Work No.14);

(v) the office, control and maintenance building (Work No.15);

(vi) the construction and laydown areas (Work No.16);

(vii) the gas marshalling compounds (Work Nos 20-21);

(viii) the electrical compound (Work No.23); and

(ix) the substation compound (Work No.25).

(b) details of the design and external appearance of any buildings or structures to be provided;

(c) means of access and details of the construction of each access;

(d) details of the construction of the surface of each compound including the stripping and stockpiling of soils, the location and the storage of such, and the materials to be used in the construction of each compound;

(e) details of any fencing to be erected; and

(f) details of any operational lighting to include the number, height and location of any stanchions to be erected or mobile floodlighting units to be used, the number of floodlights, their lux levels, angles of luminance and extent of light distribution.

Control of noise during solution mining and gas operation

5.—(1) Operation of the authorised development must not begin until a written scheme for noise management including monitoring and attenuation of the authorised development has been submitted to and approved in writing by the relevant planning authority.

(2) The scheme for noise management submitted in accordance with sub-paragraph (1) must require that the site-attributable noise during solution mining and gas operation shall not exceed a rating free-field noise level equivalent to the daytime and night-time background noise levels for each noise sensitive receptor detailed in Table 9.9 and Section 18.5.2 of the Environmental Statement (Document Ref. 6.1) with exception of the noise sensitive receptors set out in Table 12 below.

Table 12

Receptor	*Night-Time dB LA90*	*Maximum Permissible Daytime Operational Free-field Rating Noise Levels dBLAeq1hour (07.00 – 23.00)*	*Maximum Permissible Night-Time Operational Free-field Rating Noise Levels dBLAeq15 mins (23.00-07.00)*
3 – Drakelow Farm	32	34	34
4 – Halfway House	32	33	33
7 – Brownhayes Farm	30	37	37
8 – Drakelow Hall Farm	31	32	32
10 – Drakelow Gorse Farm	30	33	33
14 – Newholme Farm	31	33	33

(3) The undertaker must implement the schemes for noise management approved in accordance with sub-paragraph (1).

Landscaping

6.—(1) No part of the authorised development may be commenced until a landscape scheme has been submitted to and approved in writing by the relevant planning authority for that part. The scheme must include–

(a) location, number, species, size and planting density of any proposed planting;

(b) cultivation and other operations to ensure plant establishment;

(c) proposed finished ground levels;

(d) a requirement that the height of soil bunds must not exceed 3 metres;

(e) a requirement that topsoil and subsoil must not be imported to or exported from the site except for contaminated soil found on site that must be exported to a site permitted to accept it;

(f) hard surfacing materials;

(g) details of existing trees to be retained, with measures for their protection during the construction period; and

(h) implementation timetables for all landscaping works.

(2) The landscape scheme submitted under sub-paragraph (1) must be in accordance with the landscaping plans.

(3) All landscaping must be carried out in accordance with the landscape scheme approved under requirement 6(1).

(4) All landscaping carried out in accordance with requirement 6(3) must be maintained by the undertaker for the lifetime of the authorised development.

(5) Any tree or shrub planted as part of the landscape scheme that, within a period of five years after planting, is removed, dies or becomes, in the opinion of the relevant planning authority, seriously damaged or diseased, must be replaced in the first available planting season with a specimen of the same species and size as that originally planted.

(6) In the event of a brine leakage, a soil and landscaping scheme detailing those habitats, trees, shrubs or hedgerows damaged, together with remedial measures proposed, shall within a period of three months of the leak's detection be submitted to and approved in writing by the relevant planning authority. The approved scheme shall be undertaken during the following planting season and maintained by the undertaker for the lifetime of the authorised development.

Accesses to works

7.—(1) No part of the authorised development may be commenced until written details of the siting, design and layout of any new permanent or temporary means of access to a highway for that part has been submitted to and approved in writing by the relevant planning authority.

(2) The highway accesses must be constructed in accordance with the approved details.

Construction traffic

8. At the highway access to King Street (A530) comprised in Work No.7, notices must be erected prior to the start of construction of the authorised development and maintained throughout the period of construction, indicating to drivers the required route for traffic entering and leaving the site during the period of construction as shown on the routing plan.

Limits on heavy goods vehicle movements

9.—(1) The maximum number of heavy goods vehicle movements to and from the authorised development must not exceed 80 per day (40 in and 40 out).

(2) The number of heavy goods vehicles which enter the authorised development must be recorded by the site operator. These records must be available for inspection at the site office and a copy of these records must be submitted to the relevant planning authority every six months, or within five working days of such records being requested by the relevant planning authority.

Internal roads

10. The access road comprised in Work No.7 must, throughout the construction and use of the authorised development, be metalled and drained and kept clear of debris along its entire length at all times.

Fencing and other means of enclosure

11.—(1) No part of the authorised development may be commenced until written details of all temporary and permanent fences or other means of enclosure required for the construction and or use of that part have been submitted to and approved in writing by the relevant planning authority.

(2) Any temporary fencing must be removed on completion of construction of the authorised development.

(3) Any approved permanent fencing comprised in the authorised development must be completed before those works are brought into use.

Ground and surface water and pollution prevention

12.—(1) No part of the authorised development may be commenced until written details of the surface and foul water drainage system (including means of pollution control) for that part have, after consultation with the sewerage and drainage authority, been submitted to and approved in writing by the relevant planning authority. The surface and foul water drainage system must be constructed in accordance with the details approved under this sub-paragraph.

(2) No part of the authorised development involving the diversion of any stream or watercourse may commence until a scheme and programme for that part for its diversion has been submitted to and, after consultation with the Environment Agency, approved in writing by the relevant planning authority. The stream or watercourse must be diverted in accordance with the approved scheme and programme.

(3) Unless otherwise permitted under sub-paragraphs (1) and (2) above, throughout the period of construction, operation, decommissioning, restoration and aftercare of the authorised development, all ditches, watercourse, field drainage systems and culverts must be maintained such that the flow of water is not impaired or the drainage onto and from adjoining land rendered less effective.

(4) All oil, diesel oil and lubricants stored within the authorised development for any purpose must be stored on a base impervious to both oil and water and surrounded by an impermeable bund wall. The bunded area must be capable of containing 110% of the largest tank's capacity and all drain pipes, fill pipes and sight gauges shall be enclosed within its curtilage.

Hedgerows

13. No part of the authorised development is to commence until written details of any hedgerows to be removed during construction of that part have been submitted to and approved in writing by the relevant planning authority.

Land Contamination

14.—(1) No part of authorised development comprised in Work No.10 may commence until a written scheme (which may be included in the CEMP) to deal with the contamination of any land, including groundwater, identified in the investigation and assessment report prepared under sub-paragraph (2) as likely to cause significant harm to persons or significant pollution of controlled waters or ground waters or the environment has been submitted to and approved by the relevant planning authority.

(2) The scheme must include an investigation and assessment report, prepared by a specialist consultant approved by the relevant planning authority, to identify the extent of any contamination and a remediation strategy identifying the remedial measures to be taken, if required, to render the land fit for its intended purpose, and a verification plan outlining how achieving the remedial objectives will be demonstrated.

(3) Remediation, if required, must be carried out in accordance with the scheme approved under sub-paragraph (1).

(4) A verification report demonstrating completion of any remediation works and the effectiveness of the remediation must be submitted to and approved in writing by the local planning authority.

Archaeology

15.—(1) No part of the authorised development may be commenced until for that part, a written scheme for the investigation of areas of archaeological interest has been submitted to and approved in writing by the relevant planning authority.

(2) The written scheme of investigation must identify areas where a programme of archaeological investigation is required, and the measures to be taken to protect, record or preserve any significant archaeological remains that may be found.

(3) Any archaeological works or watching brief carried out under the archaeological scheme must be by a suitably qualified person or body approved by the relevant planning authority. Any archaeological works or watching brief must be carried out in accordance with the approved archaeological scheme.

External lighting

16. No use of the authorised development may be commenced until written details of the permanent operational external lighting to be installed as part of Works No .14, including measures to prevent light spillage, have been submitted to and approved by the relevant planning authority and any approved means of lighting must subsequently be installed and retained for the duration of the operation of the authorised development.

Restoration scheme

17.—(1) Upon the permanent cessation of use of the authorised development or, in any event, by not later than forty-nine years after the start of use of the authorised development, whichever is the earlier, a scheme of restoration and aftercare must be submitted for approval in writing by the relevant planning authority.

(2) The scheme must include—

(a) any proposed future uses for the relevant authorised development site;

(b) details of structures and buildings to be demolished and retained;

(c) details of the means of removal of materials of demolition;

(d) phasing of demolition and removal;

(e) details for the remediation of ponding; and

(f) details of restoration works and phasing thereof.

(3) The approved scheme must be implemented in full by not later than 24 months after the date of the relevant planning authority's written approval.

Decommissioning

18.—(1) Subject to sub-paragraph (2), in the event that no gas is stored within any of the cavities within a period of 10 years following the completion of all solution mining works comprising part of the authorised development, a scheme detailing the appropriate measures for decommissioning of the authorised development must be submitted to the relevant planning authority for approval.

(2) Not later than ten years after the start of use of the authorised development a scheme detailing the appropriate measures for decommissioning of the pipe bridge and diffuser forming part of Work No.10 must be submitted to the relevant planning authority for approval.

(3) A scheme approved under sub-paragraph 17(1) or 17(2) must be implemented in full within 24 months of its approval by the relevant planning authority.

Requirement for written approval

19. Where under any of the above requirements the approval or agreement of the relevant planning authority is required that approval or agreement must be given in writing and not unreasonably withheld.

Amendments to approved details

20.—(1) With respect to the parameters specified in requirement 2 and any other plans, details or schemes which require approval by the relevant planning authority pursuant to any other requirement (the "Approved Plans, Parameters, Details or Schemes"), the undertaker may submit to the relevant planning authority for approval any amendments to the Approved Plans, Parameters, Details or Schemes and following any such approval by the relevant planning authority the Approved Plans, Parameters, Details or Schemes are to be taken to include the amendments approved pursuant to this sub-paragraph.

(2) Approval under sub-paragraph (1) for amendments to the parameters identified in requirement 2 above must not be given except where it has been demonstrated to the satisfaction of the relevant planning authority that the subject-matter of the approval sought does not give rise to any materially new or materially different environmental effects in comparison with the authorised development as approved (as identified in the environmental statement).

European protected species

21.—(1) No part of authorised development shall commence until final pre-construction survey work has been carried out to establish whether a European protected species is present on any of the land affected, or likely to be affected, by that part or in any of the trees and shrubs to be lopped or felled during construction of that part.

(2) Where a European protected species is shown to be present, the relevant part of the authorised development shall not begin until, after consultation with Natural England and the relevant planning authority, a scheme of protection and mitigation measures has been submitted to and approved in writing by the relevant planning authority.

(3) Unless otherwise agreed in writing by the relevant planning authority after consultation with Natural England, the undertaker shall implement the protection and mitigation measures approved under sub-paragraph (2).

(4) In this requirement European protected species has the same meaning as in regulations 40 and 44 of the Conservation of Habitats and Species Regulations 2010(**1**) (as amended).

Conveyance of gas, water and brine

22. Save for potable water, fluids used for drilling operations and waste process fluids from the gas processing plant, all natural gas, water and brine for use in, stored within or produced by the authorised development must be conveyed to and from the authorised development only by pipeline.

Environmental management system for normal operation

23. The authorised development may not be used for gas storage until the undertaker has implemented an environmental management system compliant with ISO 14001 or an equivalent recognised standard.

(**1**) S.I. 2010/490.

Control of radio emissions

24.—(1) No part of the authorised development shall be commenced until a control of radio emissions plan has been submitted to and approved in writing by the relevant planning authority, after consultation with the University of Manchester, (a Royal Charter corporation registered under number RC000797), of Oxford Road, Manchester, M13 9PL.

(2) The control of radio emissions plan must include a scheme to ensure that the authorised development operates at all times so the total radiated power emitted from the gas processing plant, Work No 14, does not exceed the following limits, integrated across the total bandwidths in Table 13 below.

Table 13

Centre Frequency in MHz	*Bandwidth in MHz*	*Limit from ITU-R 769 (Table 1) in dBW*	*Path loss in dB*	*Effective Isotropic Radiated Power in specified bandwidth in dBW*
151.525	2.95	-199	115.8	-83.2
325.3	6.6	-201	122.4	-78.6
408.05	3.9	-203	124.4	-78.6
611	6	-202	127.9	-74.1
1413.5	27	-205	135.2	-69.8
1665	10	-207	136.6	-70.4
2695	10	-207	140.8	-66.2
4995	10	-207	146.2	-60.8

(3) The control of radio emissions plan shall also include the following—

(a) a scheme to establish and operate a liaison forum between the undertaker, the relevant planning authority and the University of Manchester, to meet at least annually to discuss and to seek, without prejudice to any enforcement powers held by the planning authority, the resolution of any issues raised by any party relating to the effect of radio emissions from the authorised development;

(b) a scheme to secure the testing of equipment and plant prior to the commencement of operations at the gas processing plant, Work No 14, so as to ensure compliance with sub-paragraph (2);

(c) a scheme to secure any mitigation measures which are required to ensure compliance with sub-paragraph (2); and

(d) a scheme to secure the monitoring of radio emissions to demonstrate compliance with sub-paragraph (2) during the normal operation of equipment and plant at the gas processing plant, Work No 14, including provision for reporting to the relevant planning authority and the University of Manchester on an annual basis and on reasonable request.

(4) The undertaker must—

(a) implement the control of radio emissions plan and associated schemes approved in accordance with sub-paragraphs (2) and (3); and

(b) ensure that the authorised development operates at all times in accordance with the limits in sub-paragraph (2).