

SCHEDULE 21

Deemed Marine Licence under Part 4 (Marine Licensing) of the Marine and Coastal Access Act 2009

PART 2

LICENSED ACTIVITIES - GENERAL

3. The provisions of section 72 of the 2009 Act apply to this licence.

4.—(1) Subject to the licence conditions in Part 3 of this licence, this licence authorises the undertaker to carry out any licensable marine activities under section 66(1) of the 2009 Act which—

- (a) are not exempt from requiring a marine licence by virtue of any provision made under section 74 of the 2009 Act; and
- (b) do not give rise to any materially new or materially different environmental effects to those assessed in the environmental information.

(2) Such activities (referred to in paragraph 4(1)) are authorised in relation to the construction, maintenance and operation of—

- (a) Work No. 1A(l) — a permanent BLF comprising—
 - (i) up to 24no supporting piles (16no below MHWS) of up to 1.0m diameter;
 - (ii) a deck up to 100m long and 12m wide with removable deck panels;
 - (iii) 2no fender piles and 2no mooring dolphins of up to 2.5m diameter;
 - (iv) removable road bed sections to span between the supporting piles;
 - (v) berthing mattress, comprising pre-cast concrete pads connected together with metal wire (or similar) and pinned to the seabed with up to 25 small bore piles to form a berthing area of up to 100m long by 30m wide;
 - (vi) surface and navigational lighting;
 - (vii) capital dredge, not exceeding 4,600m³, for installation of berthing mattress within coordinates listed in Part 4 (Table 2);
 - (viii) capital dredge, not exceeding 4,600m³, for navigation channel within coordinates listed in Part 4 (Table 2);
 - (ix) maintenance dredge of berthing mattress, not exceeding 460m³ per month, within coordinates listed in Part 4 (Table 2); and
 - (x) maintenance dredge, not exceeding 460m³ per month, of navigation channel within coordinates listed in Part 4 (Table 2) for occasional deliveries during construction of the power station;
 - (xi) removal of the berthing mattress;
 - (xii) maintenance dredge of berth bed and navigation channel, not exceeding 9,255m³ every 5 years, within coordinates listed in Part 4 (Table 2) for occasional deliveries during operation of the power station; and
 - (xiii) maintenance dredge of navigation channel, not exceeding 925m³ per week during use of the BLF, within coordinates listed in Part 4 (Table 2) for occasional deliveries during operation of the power station.
- (b) Work No. 1A(aa) — a TMBIF comprising—

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- (i) a pier with up to 80no supporting piles (68no below MHWS) of up to 1.2m diameter supporting a covered conveyor and access road up to 468m long and 12m wide;
 - (ii) a head with 24no vertical piles and 6no raking piles of up to 1.2m diameter, aggregates conveyor head, service deck and welfare facilities, combined area up to 40m long and 2m wide;
 - (iii) 2no fender piles and 2no mooring dolphins of up to 2.6m diameter;
 - (iv) surface and navigational lighting; and
 - (v) removal of the TMBIF prior to operation of Sizewell C.
- (c) Work No 1A(m) – a SCDF comprising—
- (i) the initial placement of sacrificial sediments comprising sand and shingle not in exceedance of 120,000m³;
 - (ii) replacement of sacrificial sediments with similar sand and shingle, or by-pass (movement of accreted sediment alongshore past obstructions), as defined in the CPMMP (marine) but not to exceed 570.000m³ over the duration of this licence; and
 - (iii) supporting vessel and vehicle movements to deliver, by-pass and/or landscape the material;
- (d) Work No. 2A – a Cooling Water Intake Tunnel (Unit 1) comprising—
- (i) tunnel, drilled by a TBM, of an internal diameter of up to 6m and a length up to 3.5km and up to 35m below the seabed at its lowest point; and
 - (ii) disposal of the TBM at a sealed point beyond the end of the intake tunnel following removal of most parts and oils;
- (e) Work No. 2B – Cooling Water LVSE Intake Heads and Shaft (Unit 1) comprising—
- (i) capital dredging, not exceeding 17,400m³ at each location, within the coordinates listed in Part 4 (Table 3) to prepare the site for construction;
 - (ii) disposal of dredged material locally, within 500m from the dredge site at a suitable location within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iii) two concrete LVSE intake heads, of up to 57m long x 20m wide x 10m high and spaced between 100m and 200m apart, each connecting to a vertical shaft;
 - (iv) placement of gravel bed, backfill and anti-scour material, not exceeding 7,000m³, at the base of each LVSE intake head structure;
 - (v) two vertical shafts, with concrete linings, of up to 4.6m internal diameter and up to 20m deep linking the intake heads to the intake tunnel;
 - (vi) placement of navigational marker buoys;
 - (vii) disposal of drilled material from installation of the shafts, not exceeding 1,508m³, at a suitable location within the “Sizewell C” disposal site presented in Part 4 (Table 10); and
 - (viii) additional supporting works including the use of a jack-up vessel, auxiliary vessels and temporary marker buoys;
- (f) Work No. 2C – a Cooling Water Intake Tunnel (Unit 2) comprising—
- (i) tunnel, drilled by a TBM of an internal diameter of 6m and a length of up to 3.5km and up to 35m below the seabed at its lowest point; and
 - (ii) disposal of the TBM at a sealed point beyond the end of the intake tunnel following removal of most parts and oils;

- (g) Work No. 2D – Cooling Water LVSE Intake Heads and Shaft (Unit 2) comprising—
 - (i) capital dredging, not exceeding 17,400m³ at each location, within the coordinates listed in Part 4 (Table 4) to prepare the site for construction;
 - (ii) disposal of dredged material locally, within 500m from the dredge site at a suitable location within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iii) two concrete LVSE intake heads, of up to 57m long x 20 m wide x 10m high and spaced between 100m to 200m apart, each connecting to a vertical shaft;
 - (iv) placement of gravel bed, backfill and anti-scour material, not exceeding 7,000m³, at the base of each intake head structure;
 - (v) two vertical shafts, with concrete linings, of up to 4.6m internal diameter and up to 20m deep linking the intake heads to the intake tunnel;
 - (vi) placement of navigational marker buoys;
 - (vii) disposal of drilled material from installation of the shafts, not exceeding 1,508m³, at a suitable location within the area presented in Part 4 (Table 10); and
 - (viii) additional supporting works including the use of a jack-up vessel, auxiliary vessels and temporary marker buoys;
- (h) Work No. 2E – a Cooling Water Outfall Tunnel (common to Units 1 and 2) comprising—
 - (i) tunnel, drilled by a TBM, of an internal diameter of 8m and length up to 3.5km and up to 35m below the seabed at its lowest point; and
 - (ii) disposal of the TBM at a sealed point beyond the end of the intake tunnel following removal of most parts and oils;
- (i) Work No. 2F – a Cooling Water Outfall Head and Shaft (common to Units 1 and 2) comprising—
 - (i) capital dredging, not exceeding 11,750m³ at each location, within the coordinates listed in Part 4 (Table 5) to prepare the site for construction;
 - (ii) disposal of dredged material locally, within 500m from the dredge site at a suitable location within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iii) two concrete outfall heads of up to 18m long x 18m wide x 10m high and spaced up to 100m apart, each connecting to a vertical shaft;
 - (iv) placement of gravel bed backfill and anti-scour material, not exceeding 8,000m³, at the base of each outfall head structure;
 - (v) two vertical shafts, with concrete linings, of up to 4.6m internal diameter up to 15m depth linking the outfall heads to the intake tunnel;
 - (vi) placement of navigational marker buoys;
 - (vii) disposal of drilled material from installation of the shafts, not exceeding 1,980m³, at a suitable location within the area presented in Part 4 (Table 10); and
 - (viii) additional supporting works including the use of a jack-up vessel, auxiliary vessels and temporary marker buoys;
- (j) Work Nos. 2G and 2H – a Fish Return Tunnel and Outfall Head (Unit 1) comprising—
 - (i) directional drilled tunnel under the shore of up to 0.8m internal diameter emerging below LAT;
 - (ii) capital dredging, not exceeding 1,845m³, within the coordinates listed in Part 4 (Table 6) to prepare the site for construction;

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- (iii) disposal of dredged material within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iv) a concrete head structure up to 3m long x 3m wide x 3m high;
 - (v) placement of backfill and anti-scour material, not exceeding 200m³, around the base of the outfall head; and
 - (vi) additional supporting works including the use of a jack-up vessel;
- (k) Work Nos. 2I and 2J – a Fish Return Tunnel and Outfall Head (Unit 2) comprising—
- (i) directional drilled tunnel under the shore of 0.8m internal diameter emerging below LAT;
 - (ii) capital dredging, not exceeding 1,845m³, within the coordinates listed in Part 4 (Table 7) to prepare the site for construction;
 - (iii) disposal of dredged material within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iv) a concrete head structure up to 3m long x 3m wide x 3m high;
 - (v) placement of backfill and anti-scour material, not exceeding 200m³, around the base of the outfall head; and
 - (vi) additional supporting works including the use of a jack-up vessel;
- (l) Work No. 2K and 2L – a CDO comprising—
- (i) directional drilled tunnel under the shore of up to 0.65m internal diameter emerging below LAT;
 - (ii) capital dredging, not exceeding 1,845m³, within the coordinates listed in Part 4 (Table 8) to prepare the site for construction;
 - (iii) disposal of dredged material within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iv) a concrete head structure up to 3m long x 3m wide x 3m high;
 - (v) placement of backfill and anti-scour material, not exceeding 200m³, around the base of the outfall head; and
 - (vi) additional supporting works including the use of a jack-up vessel;
- (m) Works No. 2M and 2N – Temporary Desalination Plant intake tunnel and headworks comprising—
- (i) directional drilled intake tunnel under the shore of up to 0.40m internal diameter emerging up to 500m seaward of the temporary HCDF;
 - (ii) capital dredging, not exceeding 1,845m³, within the coordinates listed in Part 4 (Table 9) to prepare the site for construction;
 - (iii) disposal of dredged material within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iv) steel and concrete head structure of up to 3m long x 3m wide x 3.5m high;
 - (v) PWWC intake screen of up to 60cm in diameter and 1.6m in length, with a mesh size of up to 2mm;
 - (vi) vertical shaft connecting the intake head and intake tunnel;
 - (vii) placement of anti-scour mats, not exceeding 48m², around the base of the intake heads;

- (viii) removal of the headworks, anti-scour mats and tunnel (including capping and grouting) before hot functional commissioning testing commences; and
- (ix) additional supporting works including the use of a jack-up vessel;
- (n) Works No. 2O and 2P – Temporary Desalination Plant outfall tunnel and headworks comprising—
 - (i) directional drilled outfall tunnel under the shore of up to 0.40m internal diameter emerging up to 400m seaward of the temporary HCDF;
 - (ii) capital dredging, not exceeding 1,845m³, within the coordinates listed in Part 4 (Table 9) to prepare the site for construction;
 - (iii) disposal of dredged material within the “Sizewell C” disposal site presented in Part 4 (Table 10);
 - (iv) concrete head structure of up to 3m long x 3m wide x 3.5m high with associated diffuser;
 - (v) vertical shaft connecting the outfall head and outfall tunnel;
 - (vi) placement of anti-scour material around the base of the outfall heads;
 - (vii) removal of the headworks, anti-scour mats and tunnel (including capping and grouting) before hot functional commissioning testing commences; and
 - (viii) additional supporting works including the use of a jack-up vessel;
- (o) collection of sediment samples from areas to be dredged for analysis of any contaminants to comply with disposal requirements; and
- (p) disposal of capital dredge material and drill arisings at licensed disposal site “Sizewell C”, comprising;
 - (i) dredged material, not exceeding a combined total of 98,635m³ from licensed activities 2B, 2D, 2F and 2G to 2P, to be deposited within the coordinates listed in Part 4 (Table 10); and
 - (ii) drill arisings, not exceeding a combined total of 4,924m³ from licensed activities 2B, 2D and 2F, to be deposited within the coordinates listed in Part 4 (Table 10).

5. The licensed activities must be carried out in either the area bounded by the coordinates set out in Part 4 (Table 1) or, in relation to the disposal of capital dredge material and drill arisings (pursuant to paragraph 4(2)(p)) only, in the area bounded by the coordinates set out in Part 4 (Table 10), each defined in accordance with reference system World Geodetic System 1984 (WGS84).