STATEMENT OF COMPLIANCE

Statement No.:

SC-DNVGL-SE-0190-02664-3

Issued 2017-11-01

Issued for:

Site Conditions Assessment

of

Wind Farm Zone Hollandse Kust (zuid) (WFS I and WFS II)

Comprising:

Wind Turbines, Substation and Power Cables

Specified in Annex 1

Issued to:

Netherlands Enterprise Agency

Croeselaan 15 3521 BJ Utrecht The Netherlands

According to:

DNVGL-SE-0190:2015-12 Project certification of wind power plants

Based on the documents:

CR-SC-DNVGL-SE-0190-02664-5

Certification Report, dated 2017-11-01

Changes of the site conditions are to be approved by DNV GL.

Hamburg, 2017-11-01

i.V. Fabio Pollicino

For DNV GL Renewables Certification

DAKKS

Deutsche
Akkreditlerungsstelle
D-ZE-11053-01-00

By DAkkS according DIN EN IEC/ISO 17065 accredited Certification Body for products. The accreditation is valid for the fields of certification listed in the certificate. Hellerup, 2017-11-01

For DNV GL Renewables Certification

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Digitally signed by Asp, Erik Date: 2017.11.01 09:40:44 +01'00'

Erik Asp Project Manager

Service Line Leader Project Certification

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Wind power plant layout and coordinates

Coordinates for the polygon corner positions in the ETRS 89/UTM Zone 31

Easting	Northing
576,948.7	5,808,275.5
576,952.6	5,808,157.7
575,197.5	5,804,680.4
579,083.4	5,802,567.5
578,933.5	5,802,214.5
568,076.4	5,799,744.2
563,545.3	5,799,743.0
564,404.0	5,804,398.4
571,480.7	5,804,824.1
572,804.4	5,807,112.0
563,073.9	5,797,187.7
570,003.9	5,797,059.0
570,376.5	5,797,159.5
571,344.5	5,791,559.5
564,370.2	5,789,770.2
562,982.7	5,796,693.2

Wind conditions General

Air density

Minimum - Maximum air temperature Air humidity Average inclined flow

Wind conditions - Normal

Annual average wind speed (at 100m) Weibull A-parameter (at 100 m) Weibull k-parameter (at 100 m)

Wind conditions - Extreme

Wind speed 50 year recurrence period, 10 min. (at 100 m)
Wind speed 1 year recurrence period, 10 min. (at 100 m)

Marine conditions

Highest astronomical tide (HAT)
Lowest astronomical tide (LAT)
Tidal variation HAT/LAT
Shallowest - deepest position
Significant wave height for 50 year recurrence period, H_{s,50-yr}
Significant wave height for 1 year recurrence period, H_{s,1-yr}

Approx. 1.24 kg/m³ (temperature and pressure dependent)
- 9.1°C to 28.4°C (50 year)
<100%

9.44 m/s 10.77 m/s 2.07

42.9 m/s (max. within the area)

32.9 m/s

(max. within the area)

1.98 m (LAT) 0 m (LAT) 1.98 m (LAT) 18 m-24 m (LAT)

7.0 m 5.4 m

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Peak wave period T_p for extreme for 50 year recurrence wave H_{s,50-yr} Peak wave period Tp for extreme for 1 year recurrence wave Hs,1-yr Extreme deterministic wave height for 50 year recurrence period, H_{max,50-yr} Extreme deterministic wave height for 1 year recurrence period, H_{max,1-yr} Interval of wave periods T_{Hmax,50-yr}, associated with H_{max,50-yr} Interval of wave periods $T_{Hmax,1-yr}$, associated with $H_{max,1-yr}$ Extreme wave crest height for 50 year recurrence period Extreme wave crest height for 1 year recurrence period Extreme high water level with recurrence period of 50 year Extreme high water level with recurrence period of 1 year Extreme low water level with recurrence period of 50 year Extreme low water level with recurrence period of 1 year Extreme current for 50 year recurrence period (depth averaged) Extreme current for 1 year recurrence period (depth averaged) Water level rise to year 2045 due to climate change Water density Minimum - Maximum sea temperature

10.4 s 13.5 m 10.1 m 9.4 s -12.1 s 7.8 s - 9.8 s 11.2 m (MSL) 7.9 m (MSL) 4.0 m (LAT) 2.9 m (LAT) -1.1 m (LAT -0.5 m (LAT) 1.0 m/s 0.9 m/s 0.2 m Approx. 1027 kg/m³ -2->24°C

12.3 s

Soil Conditions

Layer

It mostly consists of medium to coarse sand with shells and shell fragments, silt, clay and gravel.