|  |  |  |
| --- | --- | --- |
| Naturvårdsverket | **Datum** | 2022-10-04 |
| Samhällsplaneringsenheten | **SMHIDnr** | 2022/940/10.1 |
| 106 48 Stockholm | **Er referens** | NV-04663-22 |
|  |  |  |
|  | | |

# Statement regarding transboundary participation of the Federal Maritime and Hydrographic Agency on the site development plan and the environ-mental reports (North Sea and Baltic Sea) within the framework of the strategic environmental assessment

The Swedish Meteorological and Hydrological Institute (SMHI) acknowledges the opportunity given by the Federal Maritime and Hydrographic Agency of Germany (BSH) to supply a view on the amendments and updates of the site development plan.

As expressed in the earlier statement of May 9, 2022, SMHI wishes to emphasize the cumulative effects the large number of existing and planned wind farms, pipelines, subsea cables and other infrastructure installations in the southern parts of the Baltic Sea could impart on the severe oxygen deficit in the deep waters of the central Baltic Sea.

In addition, wind farms influence the regional currents and mixing in the surface layer of the surrounding sea through leeward atmospheric wakes, and thereby potentially impact the marine ecosystem processes with future large-scale development scenarios.

SMHI has the opinion that the above potential environmental effects should be considered in the site development plan, and that the national development plans of the Baltic Sea countries should be coordinated.

Director Core Services Bodil Aarhus Andrae has decided on this matter prepared by Jörgen Öberg, Sam Fredriksson and Lars Arneborg.

For SMHI  
  
  
  
Bodil Aarhus Andrae  
Director Core Services