BASIS FOR SCOPING CONSULTATION

Introduction

Videberg Kraft AB (hereinafter Videberg Kraft) plans to establish and operate new nuclear power on the Värö peninsula in Varberg Municipality. The operations will contribute to a more robust and reliable electricity system and to meet the increasing demand for fossil-free electricity that is expected as a result of the increasing electrification of society.

Consultations for the planned operations have so far been carried out in several stages by Vattenfall AB. Since the previous consultation, Videberg Kraft has taken over responsibility for the project from Vattenfall and is now responsible for applying for the permits required for the operations. Videberg Kraft has also decided on the type of reactor and the number of reactors for the operations and has generally made further progress in the project work. As a result, Videberg Kraft has been able to develop the descriptions of the operations and deepen the investigations required for future permit applications.

Videberg Kraft is now conducting a supplementary scoping consultation in accordance with Chapter 6 of the Environmental Code and the Seveso legislation in order to inform local residents, the general public, authorities, organisations and other stakeholders about the information that has been added since the previous consultation and provide an opportunity to submit comments on this. The supplementary consultation concerns both the new information and the planned operations in general.

The new information is presented in this supplementary consultation document, which forms an integral part of, and which must be read together with, the previously produced consultation document. To the extent that nothing else is stated in this supplementary consultation document, there are no changes in planned operations or, as far as is known, changes in the conditions in general, which can be assumed to affect future permit applications and environmental impact assessment. The previous consultation document can be read and downloaded at **videbergkraft.se/sv/samrad**. If you instead want a copy of the documentation sent to your home, you can contact us at **samrad@videbergkraft.se**.

It is noted that according to section 6 of the Environmental Assessment Ordinance (2017:966), the operations are to be assumed to have a significant environmental impact, which means that there is no need for a so-called investigation consultation and no such consultation has been carried out. Furthermore, it is noted that the operations will be covered by the Seveso legislation, which is why the consultation includes questions about how serious chemical accidents as a result of the operations can be prevented and limited.

Additional information

Scope of permit applications

Videberg Kraft has decided that the planned operations will consist of three modularly built pressurized water reactors. The reactors will be based on proven light water technology and have a total (combined) thermal output of up to approximately 4,200 MWh (up to approximately 1,475 MWe total installed electrical power). The operations are estimated to be able to produce approximately 12 TWh of electricity per year. The total amount of fuel in the reactors is expected to amount to approximately 150 tons and the annual fuel consumption is estimated to amount to approximately 36 tons. Below are preliminary illustrations of the planned nuclear power reactors.





Future permit applications are still expected to include everything described in section 2.2 of the previous consultation document, and the operations are still considered to be covered by all the requirements presented in sections 2.2–2.3 of that document. Videberg Kraft would like to emphasise that if it becomes necessary to construct a new outlet tunnel for cooling water, the permit application may include an exemption from the reserve regulations for the Biskopshagen nature reserve. Such a new tunnel would preliminarily be constructed from the new reactors under the nature reserve, parallel to existing outlet tunnels. Videberg Kraft

primarily plans to construct such a tunnel by drilling under the reserve in order to minimise the impact on this. It cannot be ruled out that the construction work will entail some encroachment on the reserve, especially if it turns out that the tunnel needs to be constructed using other methods, such as blasting.

Videberg Kraft also wants to clarify that the permit application could include exemptions for impact on biotope protection areas.

Impact on Natura 2000 areas

Videberg Kraft has carried out in-depth investigations regarding planned offshore work for the construction of cooling water intake as well as the possible supplementary port and outlet tunnel, which give rise to, among other things, turbidity and underwater noise. The preliminary investigations show that the construction work, mainly linked to the complementary port, could have an impact on the Natura 2000 areas Vendelsö (SE0510091),[1] Nidingen (SE0510084)[2] and Balgö (SE0510050)[3] mainly through sediment spreading and underwater noise, which may affect fish and marine mammals, among other things. Preliminary results show, for example, that the work risks giving rise to a certain amount of turbidity, for a limited time, in both Vendelsö and Balgö but also in the Natura 2000 area Båtafjorden (SE0510176)[4]. Turbidity levels in excess of 10 mg/l are only considered to occur for a few hours to a few days in these areas and are therefore preliminarily not considered to entail any risk of significant impact on the areas and their designated species and habitat types (including typical species). The Natura 2000 areas Fladen (SE0510127)[5] and Kungsbackafjorden (SE0510058)[6] could also be correspondingly affected by the planned construction work. However, these areas are located at such a distance from the operational area that the impact, at most, is considered to be very limited. The consultation already covers the question of the need for a Natura 2000 permit for Båtafjorden. Videberg Kraft is now supplementing the consultation in such a way that it also concerns the question of the need for a Natura 2000 permit for the other above-mentioned Natura 2000 areas, as a result of all the planned work. The upcoming environmental impact assessment will contain a basis for enabling the assessment of the need for and, where applicable, the conditions for granting Natura 2000 permits for relevant areas.

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[1] Vendelsö is designated under the Habitats Directive. Designated habitat types include, among other things, vegetation-covered sea cliffs and salty coastal meadows.

[2] Nidingen is designated under both the Birds Directive and the Habitats Directive. Designated habitat types include reefs and salty coastal meadows. Designated species include harbor seals.

[3] Balgö is designated under both the Birds Directive and the Habitats Directive. Designated habitat types include sandbanks, large bays and straits, clay and sandy seabeds that are exposed at low tide and reefs. Designated species include grey seals, harbor seals and harbor porpoises.

[4] For further information about Båtafjorden, see section 6.3 of the previous consultation document.

[5] Fladen is designated according to the Habitats Directive. Designated habitat types consist of sublittoral sandbanks, reefs and bubble reefs and underwater craters. Designated species consist of harbor porpoises.

[6] Kungsbackafjorden is designated under both the Birds Directive and the Habitats Directive. Designated habitat types include estuaries and reefs. Designated species include harbor seals.

Construction work and expanded seawater use

The operations are still planned to be constructed and operated in accordance with the descriptions in the previous consultation document. All in all, this means that the construction work will begin with ground preparation measures, which include elements such as excavation of soil masses, blasting and crushing of rock, as well as work in and filling in water areas. At this stage, work is also taking place to construct the new cooling water system, which includes elements such as sheet piling, dredging and blasting at and a bit outside the shoreline for the construction of the water intake, construction of pipelines and lightning conductors in the sea, and the construction of a surge basin for handling various water flows during the operation. In the event that a new outlet tunnel becomes necessary, this will also be constructed during this phase.

Videberg Kraft would like to clarify here that all masses that arise during the construction phase, including dredging masses, are primarily planned to be reused within the framework of the construction of the operations. However, not all masses will be possible to reuse, and there may therefore be a need to dump masses into the sea. Any dumping is planned to be carried out in one or more areas located within a couple of kilometers north of the operational area. If it becomes necessary to dump masses, the environmental consequences of this will be reported in the environmental impact assessment and Videberg Kraft will then also conduct in-depth dialogues with relevant stakeholders, such as owners of licensed cable corridors in the area. The permit application will then include exemptions from the prohibitions against dumping.

After the ground preparation measures, work will begin on the construction of the nuclear power reactors and associated plant parts such as dry storage for nuclear waste and spent nuclear fuel, local switchgear and offices, etc. The latter phase will begin with the erection of a tent structure so that the work can take place in a weather-protected manner. The construction work will take place sequentially, which means that construction work may be carried out at the same time as one or more reactors have already been put into operation.

During the construction period, seawater may be used as an alternative to municipal water for various construction purposes, such as concrete production. Videberg Kraft wishes to be able to use seawater as an alternative to municipal water for as many purposes as possible also during the operating period, for example as process water, for the production of sodium hypochlorite and for possible protective infiltration. Desalination of seawater may therefore also be relevant during the operating period. Desalination is expected to take place with ion exchange masses and/or through reverse osmosis, which gives rise to some wastewater. Municipal process water is also planned to be desalinated through one of these technologies or a combination of these. The conditions for broadening the area of use for seawater and any environmental consequences of this will be reported in the environmental impact assessment. The widened area of use is not expected to result in a greater seawater withdrawal than stated in previous consultation document (maximum 70 m^3 per second).

Consultation meeting

Videberg Kraft invites you to a consultation meeting within the framework of the supplementary scoping consultation. The meeting will be held at Videberg Kraft's premises at **Birger Svenssons väg 38B in Varberg** on **November 23, 2026** between **3-4 pm** and **6-7 pm**. During the meeting, Videberg Kraft will present the new information and the planned operations in general. The same information will be provided at both of these meetings and you therefore do not need to attend both meetings.

Questions or comments

Questions or comments related to the consultation should be submitted by **December 15, 2026**, either by email to **samrad@videbergkraft.se** or by post to:

Videberg Kraft AB
Olof Palmes gata 23
111 22 Stockholm

For questions about the consultation or the planned operations in general, you can also contact:

Fredrik Hassel, Project Director for Permits and Licensing, +46 (0)73-418 98 38, or **Lisa Johansson**, responsible for environmental assessment, +46 (0)76-001 55 10.

All comments are compiled and taken into account in the continued work on the environmental impact assessment and permit applications. Comments that have already been submitted are documented and do not need to be submitted again.

Handling of personal data

Information about how Videberg Kraft handles personal data during the consultation can be found on www.videbergkraft.se/sv/integritetspolicy.