



Naturvårdsverket  
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## Förfrågan om samråd enligt artikel 4-5 ECE-konventionen om miljökonsekvensbeskrivningar i ett gränsöverskridande sammanhang (Esbokonventionen) gällande kärnkraftverk i Polen, svar senast 2022-12-05

Er beteckning: NV-08364-15

### Conclusion

- In general we have no comments regarding the Nuclear Power plant.
- The importance of choosing solutions and constructions that are robust during a long period of time must be stressed.
- We also want to emphasise consideration regarding water, as higher seawater levels, minimizing outlets of pollutants to the seawater and securing a safe cooling system.

### Motivation

From the comprehensive material it is hard to draw an accomplished response. Earlier in this project we issued consideration due to climate change and the rising sea levels. In this report it is said that the power plant will be built 8,5 to 9 meter above sea level. Which seems reasonable.

Research in the project concludes insignificant or, no likely significant impact on the marine environment. The level off impact on the marine environment can be quite different according to what techniques and which mitigation measures that are chosen. For instance the difference on the effects, as well as the safety aspect, if the intake tube of cooling water is placed further out and at a longer distance from the outlet tube.

Another consideration is the possibilities to build the cooling system so that no hydrazine needs to be added. Hydrazine is to a certain level toxic for fish and aquatic invertebrates. Can it be possible to build a system based on chemicals that are less harmful?

A local sewage treatment plant will be built on the site. Technologies for effective reduction of organic substances and nutrients is available which ought to make it possible for the plant to lower the applicable standards for reduction and to minimize eutrophication of the sea water. It might also be better to build different cleaning processes for the different types of industrial wastewater that will be produced at the plant. To clean certain specific types of pollutants might be more effective than what can be accomplished in a local sewage treatment plant.

### Background information

The Administrative Board of Kalmar County has been given the environmental impact assessment report for the Project involving the construction and operation of the first Nuclear Power Plant in Poland for comments. The comments should firstly relate to the environmental impact on the territory of Sweden.

### Participants in the decision

A decision on this opinion has been taken by the Head of Department Eva Brynolf after a presentation of the Head of the environmental unit Lill Thunberg. The environmental protection officer Lotta Bohman has also been part to finalize the written comment.

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