



Swedish Environmental Protection Agency
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Notification in accordance with Article 10 of the Protocol on Strategic Environmental Assessment (SEA) regarding the local detailed plan for Koivuluoto “Arctio” in Tornio, Finland

In accordance with Article 10, Paragraph 1 of the Protocol on Strategic Environmental Assessment (Protocol on SEA), Finland, as the Party of origin, hereby notifies Sweden regarding the local detailed plan for Koivuluoto “Arctio” in Tornio, Finland. In addition to the Protocol on SEA, the notification is sent in accordance with Article 7, Paragraph 1 of Directive 2001/42/EC of the European Parliament and of the council of 27 June 2001 on the assessment of the effects of certain plans and programmes on the environment (SEA Directive). Earlier in this matter Finland sent to Sweden the preliminary notification on 17 January 2025. Sweden responded on 7 April 2025 confirming its participation in the land use planning procedure.

Information on the planned land use plan

The local detailed plan is prepared for the detailed organisation of land use and building in the Koivuluoto area. Koivuluoto is located in the Röyttä district of Tornio. The land use planning area is located approximately 7 kilometers from the centre of Tornio. The distance to the centre of Haparanda is approximately 6.5 kilometers, to the centre of Keminmaa 16 kilometers, and to Kemi approximately 17 kilometers. The distance to the Swedish border is approximately 2.8 kilometers. The nearest Swedish islands Tirro and Hampulleiviskä are located approximately 3.2 kilometres away from the planning area.

The aim of the local detailed plan is to enable hydrogen projects, projects related to carbon dioxide processing, the production of methanol and other refined products, metal production and processing, energy production, and the production of fuels and other chemicals. The local detailed plan includes the possibility of investigating the placement of a small modular reactor (SMR) plant. The local detailed plan designates the T/kem area as a potential site for a SMR (SMR) plant.

The Western Lapland Regional Plan, which was approved by the Ministry of the Environment on 19 February 2014, is in effect in the planning area. The “Arctio” amendment to the general plan for

the central area of the City of Tornio came into force on 8 April 2020. The local detailed plans approved on 24 February 2014 (396) and 28 January 2002 (322) are in force in the area.

The following alternatives are proposed for the local detailed plan:

- **VE0:** The current state of the area remains unchanged, and no new activities are implemented.
- **VE1:** An alternative for a new transport link, with land use based on the guidelines of the Arctio master plan amendment, which includes extended bird and wetland protection areas. This alternative enables industrial and energy sector projects to be located in the area.
- **VE2:** An alternative based on existing transportation connections with land-use solutions aligned with the guidelines of the Arctio master plan. The main differences compared to VE1 relate to power transmission arrangements, road connections, and the size of the areas reserved for development.

The implementation of the local detailed plan may result in adverse environmental effects extending to Sweden, including impacts on the landscape. In the event of a major accident, transboundary effects may also occur on the Swedish side.

The land use planning procedure in Finland

In terms of land use planning, the SEA Directive has been implemented to the Land Use Act (132/1999) and the Decree (895/1999) in Finland. The Land Use Act and the Decree regulate land use planning procedure, such as the assessment of the impacts of land use planning on the environment.

The planning process for the local detailed plan is currently at the preparation stage. At this stage, the draft plan and its preparatory materials have been prepared. The public display of the draft plan and its preparatory materials take place in Finland from 29 April to 29 June 2026. The preparation stage will be followed by the proposal stage. The public display period for this stage is planned for autumn 2027. The final stage of the process is approval, which is expected in late 2027. The land use plan is expected to come into force at the beginning of 2028.

Participation in the land use planning procedure

The draft plan and its preparatory materials are available in Finnish and Swedish. The documents, which have been prepared by the land use planning authority, can be downloaded from the following shared folder: <https://filesender.funet.fi/?s=download&token=1bdd954d-7e80-4484-be44-e9a86a2b40c5>. The shared folder expires on 20 May 2026. From 29 April 2026 onwards, the materials are also available at the following webpage: www.tornio.fi/kaavatori. The City of Tornio uses an electronic Maptionnaire map survey, which is available in Finnish on the before-mentioned webpage.

During the public display, a public event will be held in Finland on 4 June 2026 from 5 p.m. (Finnish time) onwards at the Aine Art Museum (Torikatu 2, 95400 Tornio). Coffee will be served at 4:30 p.m. (Finnish time) onwards. The event will be conducted in Finnish and Swedish, and a Swedish interpreter will be present at the event. It will also be possible to participate remotely. The participation link: <https://teams.microsoft.com/meet/374372963602144?p=7llphhoRmweWtShTvF>.

In accordance with Article 10, Paragraph 3 of the Protocol on SEA, please send the response to the e-mail of the register office of the Finnish Environment Institute (kirjaamo@syke.fi) and to the e-mail address of the Point of Contact in Finland (transboundaryEIA.SEA@syke.fi) **by 29 July 2026 at the latest** and:

- acknowledge the receipt of the notification,
- indicate how your state wishes to continue participation in the land use planning procedure,
- provide views and comments on the material,
- submit any comments you might receive from the public and authorities in your state.

Please indicate our reference number SYKE/2024/1393 in your letter.

More information

Land use planning authority: City of Tornio, Harri Ryyänen, harri.ryynanen@tornio.fi

Protocol on SEA: Finnish Environment Institute, Laura Aitala-Martesuo, transboundaryEIA.SEA@syke.fi

Head of Services

Jenni Juslén

Senior Officer,
Point of Contact to the Espoo Convention
and the Protocol on SEA

Laura Aitala-Martesuo

Appendices

In Swedish:

Koivuluoto_AK_SEL200426_ruotsi.pdf (7.9 MB)
VE1_Koivuluoto_AK_Kaavakartta180326_Ruotsi.pdf (45.5 MB)
VE2_Koivuluoto_AK_Kaavakartta180326_Ruotsi.pdf (45.3 MB)
Arctio_OAS_200426_ruotsi.pdf (1.2 MB)
Liite 5b KoivuluotoOAS_lausunnot ja vastineet.pdf (310 kB)

In Finnish:

Koivuluoto_AK_SEL200426.pdf (10.1 MB)
VE1_Koivuluoto_AK_Kaavakartta180326.pdf (45.7 MB)
VE2_Koivuluoto_AK_Kaavakartta180326.pdf (45.5 MB)
Liite 2 Arctio_OAS_200426.pdf (1.1 MB)
Liite 4 Karttaliitteet.pdf (1.8 MB)
Liite 5a KoivuluotoOAS_lausunnot ja vastineet.pdf (301.3 kB)
Liite 8 Viranomaisneuvottelunmuistio020425.pdf (787.9 kB)
Liite 9 Viitasammakkoselvitys Ramboll Oy, 2025.pdf (6 MB)
Liite 10 Koivuluodon arkeologinen vedenalaisinventointi Subreering Am
mattisukellustyöt Oy 2025.pdf (10 MB)
Liite 11 Sulfidimaa- ja korroosiotutkimus (Mitta Oy, 2025).pdf (206.8 kB)
Liite 12 Arctio Sataman ja meriväylän esiselvitys Ramboll Oy 2023.pdf
(11.9 MB)
Liite 13 Risteyssuunnitelma (Ramboll, 2026).pdf (184.7 kB)

For information

Ministry for Foreign Affairs of Finland
Ministry of the Environment
City of Tornio