

Our reference: Plan of Operations no. 170706-1

Exploration Company Ltd.
22 Mine Road
811 11 Miningtown

16.08.2017

Anders Andersson
PO Box 100
711 11 City

Plan of operations for exploration work under exploration permit Kopparåsen no. 1001

Exploration Company Ltd. has been granted an exploration permit by Bergsstaten, the Mining Inspectorate of Sweden, to carry out exploration work within an exploration area in Norrorten Municipality in Norrbotten County. The exploration permit is valid until 03.02.2022.

Introduction

This is a plan of operations containing information about the exploration work that Exploration Company plans to undertake. The plan of operations is to be served on the property owners and holders of special rights who are affected. To confirm that you have received the plan of operations you need to return the receipt of service that can be found at the end of the plan of operations. Please send the receipt of service to us in the enclosed reply envelope.

Exploration Company plans to carry out the exploration work in the form of core drilling and geophysical surveys of drill holes. The work is planned to start no earlier than 01.10.2017 and to end no later than 01.02.2018.

The exploration work affects you, as the owner of **Norrorten Property 1:1**

The exploration work will be carried out within an area outlined on the enclosed map (see last page). A drilling area and a drill hole are also marked on the map. Please note that the location of the drill hole may change somewhat depending on the terrain, ground conditions and your views, but will remain within the drilling area. Further drilling may take place depending on the results of the initial drilling. We will also carry out geophysical surveys using a loop wire. The loop wire will be placed out in the terrain as per the map image. The position of the wire is approximate and in reality it will be laid to take account of obstacles such as buildings, roads, horse paddocks, ancient remains etc. A more detailed description of how the exploration work will be carried out is given below.

More information about the exploration work etc. can be found in the Guidance on Exploration from the industry association Svemin, which can be downloaded from Svemin's website: www.svemin.se

Do you have any questions about the plan of operations or wish to challenge it?

You have opportunity to challenge the plan of operations – for example, if you think that the work ought to be adapted in a particular way. Challenges to the plan of operations must be submitted within three weeks of your having signed to acknowledge receipt of the plan of operations (receipt of service is appended below). Challenges must be made in writing and can be noted directly on the receipt of service under "Comments" or otherwise sent to us (see address below). If we do not receive any challenges within three weeks, the plan of operations will become valid.

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Naturally, you are welcome to contact us at any time with questions, comments and suggestions. As a property owner you are also entitled to be told when the work will start on your property. If you would like such notification, a request must be made to us in writing within three weeks of your having signed the receipt of service. You will be notified when the work has been completed.

If you have any suggestions of suitable driving routes we would be grateful to have them.

We hope and believe that we will be able to agree on how the planned exploration work is to be carried out. If we cannot reach agreement, the plan of operations can be considered by the Chief Mining Inspector, who is able to confirm the content of the plan of operations.

Special consent

Since the exploration work is planned to be undertaken within 200 m of a dwelling, special consent is needed from you as the property owner, or alternatively the Chief Mining Inspector may allow this upon special application (Chapter 3 Section 7 of the Minerals Act). Your consent can be given on the receipt of service (see below).

Description of the exploration work

Drilling and drill hole surveying

We will carry out core drilling using a tracked vehicle equipped with a drilling rig. In core drilling a cylindrical drilled core (around 5–8 cm in diameter) is cut out of the bedrock using a rotating drill bit. After drilling into the underlying rock, the drilled core is then taken out and analysed by a geologist. Once the drilling is complete, a drill casing that is cut off as close to the ground surface as possible will be left at the drilling site.

In the course of the drilling finely ground rock is formed, known as drill cuttings, and these are often contained in the cooling water when it is returned to the surface. Once the drilling is complete some drill cuttings may remain on the ground near to the drilling site. Over time the cuttings disappear down into the vegetation with rainwater or are grown over.

We will also carry out geophysical surveys in the drill holes. Geophysical drill hole surveys are carried out by feeding an instrument down into the drill hole and placing a thin wire (known as a loop wire) on the ground surface – see enclosed map. The loop wire is approximately 3–6 mm and is placed out on foot, or using a snowmobile or all-terrain vehicle. Once the work has been completed the wire is reeled in and removed from the area.

Driving routes and cooling water

Driving routes to and from the drilling site will be chosen so as to cause the minimum damage to land and vegetation. In the first instance existing roads or old driving routes will be used. A number of trees and bushes may need to be felled in order to get to the drilling sites.

The cooling water that is needed for the drilling work will be taken from Lake Sikträsk. The water will be extracted using an electric pump. A hose with a diameter of approx. 2–3 cm will be laid from the pump to the drilling rig. The water extraction point is on your property and is marked on the enclosed map. We do not expect the extraction of water to cause any damage as a result of its impact on water conditions in Lake Sikträsk.

Encroachment on public interests and private rights

The encroachment on public interests and private rights is assessed to be minor and to mainly consist of off-road driving and drilling with drilling equipment. In conjunction with this, minor damage may be caused to the ground, but we aim to carry out our work with the minimum possible impact on the

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ground and vegetation. In certain cases material may freeze onto the ground during the winter and in this event it will be cleared away after the thaw.

As far as possible, existing tractor and forest tracks will be used to transport the equipment, but there may be a need to fell some trees. Tree felling can result in open glades in the forest, but these will grow back over time. The number of journeys will be kept to a minimum and machinery will be driven with the greatest of care. A certain amount of noise may be noticeable from drilling rigs and transportation. Temporary protective measures for crossing watercourses will be returned to the previous state after the work is complete and are not expected to cause any damage.

Compensation for damage

The exploration work will be carried out as carefully as possible and with precautions aimed at minimising the impact on forest and land.

Should the exploration work nonetheless cause damage, compensation will be paid (Chapter 7 Section 1 Minerals Act). The exploration company will have provided Bergsstaten with financial security to ensure that any damage that may arise in conjunction with the exploration work is compensated (Chapter 3 Section 3 Minerals Act). Following estimation of the damage that may arise, the security amounts to SEK 30,000.

Once the work is complete and when the ground is no longer snow-covered we will carry out an inspection for any damage. Notes from the inspection will be compiled and sent to you along with a compensation proposal. The inspection will document damage such as that caused by driving routes for machinery, felled or damaged trees, and impact on recently planted and young forest. These will be compensated at the applicable standard rates. The drilling sites will also be compensated at standard rates. Any driving damage on the ground will be assessed from case to case and measures taken as needed.

Other permits

The exploration company has the following permits and/or notices with the County Administrative Board for Norrbotten County for the planned exploration work:

- Exemption from the ban on off-road driving under the Off-road Driving Act (*terrängkörningslagen*, 1975:1313)
- Notice of consultation in accordance with Chapter 12 Section 6 of the Environmental Code (*miljöbalken*, 1998:808)

Contact details

If you have any questions about the exploration work please contact our geologist Sven Svensson by telephoning 070-000 00 00.

For legal matters relating to exploration contact Bergsstaten (the Mining Inspectorate of Sweden), Varvsgatan 41, 972 32 Luleå, tel. 0920-237 900

For matters relating to nature and the environment contact the County Administrative Board for Norrbotten County, tel. 010-225 409 00.

If you have any questions about this plan of operations please contact the undersigned (Anna Andersson) by telephoning 070-000 00 01.

Any challenges must be made in writing and sent to:

Exploration Company Ltd.

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22 Mine Road
811 11 Miningtown
e-mail: info@explorationcompany.com

Yours sincerely,

Anna Andersson
for Exploration Company Ltd.

EXAMPLE

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RECEIPT OF SERVICE

Receipt of service for plan of operations relating to the planned exploration work under exploration permit Kopparåsen no. 1001 (our reference Plan of Operations no. 170706-1)

The receipt of service has been signed by the owner of **Norrorten Property 1:1**

Information

A valid plan of operations entitles Exploration Company Ltd. to undertake work in accordance with the plan of operations. The planned exploration work is therefore restricted to what is stated above in the plan of operations. If Exploration Company needs to undertake other exploration work or use other methods, a new plan of operations is required. This means that you may be affected by further exploration work and served with multiple plans of operations.

Receipt

I confirm that I have today received the above-mentioned document.

Place and date Signature

Telephone no.

.....
Print name
.....

Special consent for exploration work

I, the undersigned property owner, hereby give Exploration Company Ltd. – or a contractor engaged thereby – the right to carry out exploration work, where relevant, within 200 metres of my dwelling/holiday home, but not within my plot, in accordance with the attached plan of operations.*

I give my consent
consent

I do not give my

* See the Minerals Act (1991:45):

Chapter 3 Section 7 – Without the permission of the Chief Mining Inspector, exploration work may not be undertaken within an area within two hundred metres of a dwelling. Consent may however be given by the owner of the building or the land.

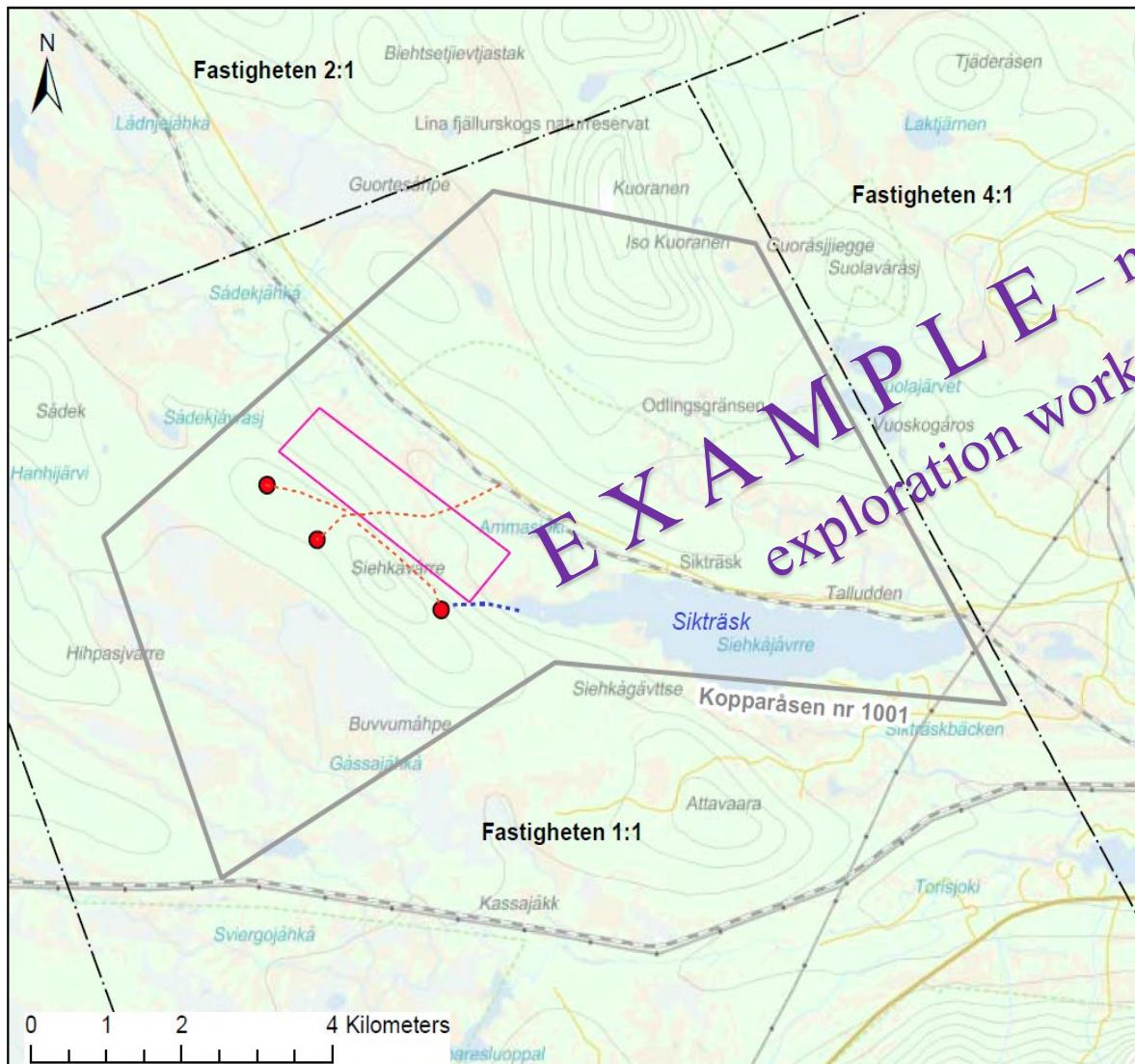
Challenges (may also be submitted in a separate document that is sent along with the receipt of service):

Please return the signed receipt of service to Exploration Company Ltd. in the enclosed reply envelope as soon as possible.

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The receipt of service is a confirmation that you have received this plan of operations and given special consent for the exploration work in the vicinity of your house.

Fastigheten	=	Property
Fastighetsgräns	=	Property boundary
Undersökningstillstånd	=	Exploration permit
Geofysiskt mätning/slingkabel	=	Geophysical surveying/loop wire
Borrhål	=	Drill hole
Planerad körväg	=	Planned driving route
Vattenpumpledning	=	Water pump line



- [Dashed line] Fastighetsgräns
- [Solid grey line] Undersökningstillstånd
- [Pink rectangle] Geofysiskt mätning/slingkabel
- [Red dot] Borrhål
- [Dashed line] Planerad körväg
- [Dotted line] Vattenpumpledning

EXAMPLE - map of exploration work