### Sirius Minerals

#### **Woodsmith Mine**

Discharge of Planning Condition NYMNPA 64 - Temporary Boundary Treatment

40-ARI-WS-71-CI-RP-1052

Rev 0 | 31 March 2017

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 253285-00

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## **Document Verification**



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40-ARI-WS-71-CI-DR-1056

#### 1 Introduction

This document has been prepared on behalf of Sirius Minerals Plc (Sirius Minerals) and provides details of the temporary boundary treatment for the Phase 3 Site Establishment Works (Phase 3 Works) at the Woodsmith Mine site. This is required to discharge condition 64 of the North York Moors National Park Authority planning permission NYM/2014/0676/MEIA.

This note only details the works required at the Woodsmith Mine site.

#### The Phase 3 Works comprise:

- General site clearance including demolition of all farm buildings and sheds, and localised tree and scrub clearance, as shown on Drawing 40-ARI-WS-71-CI-DR-1051;
- Excavation and construction of the south western extension of the upper tiered working platform at around 203m AOD, as shown on Drawing 40-ARI-WS-71-CI-DR-1053;
- Excavation and construction of the Platform for the Construction Welfare Facility, Parking Area and Concrete Batching Plant, as shown on Drawing 40-ARI-WS-71-CI-DR-1053:
- Construction of temporary and permanent soil mounds, including the basal liner for a future storage facility in the northeast corner of the site for nonhazardous non-inert spoil and three topsoil, subsoil and inert material storage bunds in the southwestern area of the site, as shown on drawings 40-ARI-WS-71-CI-DR-1053 and 40-ARI-WS-71-CI-DR-1055, with earthworks volumes presented in 40-ARI-WS-71-CI-DR-1054.
- Construction of surface water drainage, a temporary surface water attenuation pond and a temporary wetland in the southern area and two permanent attenuation ponds and two wetland areas in the north eastern area, as shown on Drawing 40-ARI-WS-71-CI-DR-1050;
- Construction of a spring and groundwater drainage layer in the north eastern area, discharging into a wetland area, as shown in Drawing 40-ARI-WS-71-CI-DR-1080;
- Installation and commissioning of temporary dewatering as shown on Drawing 40-ARI-WS-71-CI-DR-1050;
- Erection on site of the Concrete Batching Plant as shown on Drawing 40-AMC-WS-72-SW-RA-0001, complete with reticulated water supplies and tanks;
- Construction of the drilling platform and temporary saline lagoon area for the groundwater reinjection well as shown on Drawing 40-ARI-WS-71-CI-DR-1057; and
- Provision of Construction Welfare and Security Facilities complete with hook-up of power, communications & water supplies and new waste water collection facilities.

#### **Compliance with Condition**

The wording of planning condition NYMNPA 64 and where the necessary material has been provided within the report is set out in the table below:

NYMNPA 64	Compliance with Condition 64
Prior to commencement of site preparatory works, full details of the proposed temporary boundary treatment to the Woodsmith Mine site, including any walls or security fences and the timetable to implement them, shall be submitted to and approved in writing by the MPA;	Refer to drawing 40-ARI-WS-71-CI-DR-1056 Woodsmith Mine Phase 3 Fencing General Arrangement, and Section 3 for fencing requirements.
The temporary site boundary works shall then be implemented in accordance with the approved details and maintained for the period of construction.	This condition will be adhered to.

### **Fencing Requirements**

A construction boundary fence will be erected in accordance with drawing 40-ARI-WS-71-CI-DR-1056, Woodsmith Mine Phase 3 Fencing General Arrangement.

The construction fencing will ensure that the site is secure and protects the safety of the public from construction activities during the Phase 3 Works. The fencing will remain in place for the full duration of all phases of the construction works at Woodsmith Mine.

#### 3.1 **Construction Fencing**

The following fencing was erected as part of the Phase 2 works:

- Approximately 2.25km of 2.4m high black mesh fence; and
- Approximately 1.3km of 2m high, galvanised steel Heras fencing.

The following additional fencing will be erected as part of the Phase 3 works and will comprise:

- Approximately 220m of high black mesh fence; and
- Approximately 540m of 2m high, galvanised steel Heras fencing.

The black mesh fencing will be permanently installed, with solid steel posts concreted into the ground and with the top of the posts being level with the top of the fence. An illustrative image of the fencing to be used is shown in Figure 1.

Areas of the site that will not be disturbed during the Phase 3 Works will be secured with temporary Heras fencing, as described in Section 3.2. The temporary fencing will be replaced by permanent fencing during subsequent phases.



Figure 1: Illustrative Mesh Fence

Where gates are to be provided within the fence line, these will be of a similar specification and detail. Black metal gate posts will be installed in accordance with the manufacturer's details. Locations of these are detailed on drawing 40-ARI-WS-71-CI-DR-1056, Wooodsmith Mine Phase 3 Fencing General Arrangement and will form double leaf hinged gates.

#### 3.2 **Temporary Heras Fencing**

As outlined in Section 3.1, where temporary fencing is to be provided, this will consist of 2m high galvanised steel Heras fencing as illustrated in Figure 2.

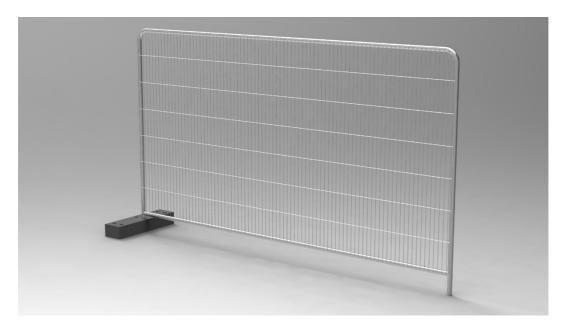


Figure 2: Illustrative Temporary Heras Fencing

#### **3.3** Fencing Maintenance

All fencing will be checked frequently to ensure no breaches/damage has occurred. If any breach/damage is discovered, it will be reported immediately and measures taken to secure the site boundary. Any necessary repairs will be carried out by a fencing contractor. If a fencing contractor is unable to get to site on the day, a temporary repair will be carried out by the site team to provide the necessary security until a permanent repair can be carried out.

### 4 Programme of Works

Erection of the fencing will commence on commencement of the Phase 3 Works.

# Appendix A

Drawing
40-ARI-WS-71-CI-DR-1056

