

8 July 2013

Company Announcements Office,  
ASX Securities Limited,  
20, Bridge Street,  
Sydney, N.S.W. 2000

## ORE SORTING PROOF OF CONCEPT - SPRING HILL PROJECT NT

The Directors of Thor Mining PLC ("Thor") (AIM, ASX: THR) are pleased to announce positive results from initial ore sorting test work on near surface oxide ore from the Spring Hill gold project south of Darwin in Australia's Northern Territory.

Spring Hill gold mineralisation is vein hosted and the positive results, using X-ray scanning demonstrate "proof of concept" that Spring Hill gold bearing material can be identified and segregated. Further testing on a larger sample is scheduled in South Africa which will allow Thor to better predict commercial outcomes.

Ore sorting is a process of upgrading ore prior to the costly fine crushing and grinding in the ore processing circuit. The coarse material, generally of a size fraction between 20mm & 150mm, is scanned and segregated according to criteria developed by test work. After sorting, mineralised material progresses through the rest of the circuit, while non-mineralised material is discarded as waste. This pre-concentrating process has the potential to reduce downstream processing costs of fine crushing, grinding, and cyanidation. The process is not suitable for all styles of mineralisation, however it is used in some circumstances to upgrade low grade gold stockpiles in South Africa. It has now been demonstrated as a potential enhancement for Spring Hill.

Pending confirmation by subsequent test work (likely to take up to 3 months), internal modelling, suggest the following range of outcomes for Spring Hill near surface oxide mineralisation, using a cost of A\$7.00/tonne to crush & sort,

| Proportion of sort discarded as waste <sup>1</sup> | Cost saving per ounce A\$ |
|--|---------------------------|
| 20%  | NIL                       |
| 35%  | \$100                     |
| 50%  | \$200                     |

1. The above range should not be classed as estimates and should be used for example purposes only.

Thor holds a 51% equity interest in the Spring Hill project, and is exercising rights to increase that interest to 80% from Western Desert Resources Limited (ASX "WDR").

**Commenting,** Mr Mick Billing, Executive Chairman of Thor Mining, said: "This is a potentially exciting enhancement for the Spring Hill project. Ore sorting is also commercially used in tungsten processing and a similar scale test on Molybil material is also in process in South Africa. We eagerly await the outcome of that testwork, as it also has potential to reduce both capital and operating costs for Molyhil."

For further information, please contact:

THOR MINING PLC

Mick Billing  
Executive Chairman  
+61 8 7324 1935

THOR MINING PLC

Registered Numbers:  
United Kingdom 05 276 414  
Australia 121 117 673

Registered Office:  
Level 1  
32 Richmond Road  
KESWICK, SA, 5035  
Australia

Ph: +61 8 7324 1935  
Fx: +61 8 8351 5169

Email:  
corporate@thormining.com

Website:  
www.thormining.com

Enquiries:

Mick Billing  
Executive Chairman  
Thor Mining PLC  
+61 8 7324 1935

Nominated Advisor  
Colin Aaronson  
Grant Thornton  
+44 (0) 20 7383 5100

ASX Listings:  
Shares: THR

AIM Listings:  
Shares: THR

Directors:  
Michael Billing  
Michael Ashton  
Gregory Durack  
Trevor Ireland  
David Thomas

Key Projects:

- Molyhil (NT)  
*Tungsten, Molybdenum*
- Spring Hill (NT)  
*Gold*
- Dundas (WA)  
*Gold*