



**anvil**mining

## News Release

**FOR IMMEDIATE RELEASE**

**October 23, 2007**

**TSX, ASX: AVM**

**Common shares outstanding: 70.4 million**

**All amounts are expressed in US dollars, unless otherwise stated.**

### Update on Progress of the Kinsevere Copper Mine

**Montréal, Canada: Anvil Mining Limited (TSX, ASX: AVM)** (“Anvil” or the “Company”) is pleased to provide an update on the progress of the Stage I and Stage II developments at its Kinsevere copper mine located 27km north of Lubumbashi, the provincial capital of the Katanga Province in the Democratic Republic of Congo (“DRC”). Photos of the plant and other aspects of the Kinsevere operations can be viewed by accessing the following link:

[http://www.anvilmining.com/files/071023\\_Kinsevere\\_Stage\\_I\\_and\\_II\\_Update\\_photos\\_only.pdf](http://www.anvilmining.com/files/071023_Kinsevere_Stage_I_and_II_Update_photos_only.pdf)

#### Highlights

- Heavy Media Separation (“HMS”) plant successfully commissioned in June 2007.
- Design capacity of 500,000 tonnes of ore throughput per year, or 1,380 tonnes per day and 25,000 tonnes per annum copper production was achieved in August 2007.
- Copper production of 6,622 tonnes for the period June 9, 2007 to September 30, 2007.
- Commissioning of the Electric-Arc Furnace (“EAF”) scheduled to commence in December 2007, ramping up to full operation in the first quarter 2008.
- The new 27 km 120kV transmission line will be energised in Q4 2007.
- Open pit mining has operated at full capacity since January 2007.
- Appointment of Ausenco Limited from Australia as the provider of Engineering, Procurement, Construction and Management (“EPCM”) services for the Stage II development.
- Work on Stage II has commenced with site clearing completed, preparation of foundations in progress and procurement of major capital items underway.

The Stage I development of Kinsevere comprises an open pit mining operation which commenced during the first quarter of 2007 with the Tshifufia and Tshifufiamashi pits, the construction of a Crushing and HMS plant which was commissioned in June 2007 and an EAF, the commissioning of which is expected to be completed during the first quarter of 2008. The HMS-EAF plant is expected to produce approximately 23,000 to 25,000 tonnes per annum of “black copper” ingots assaying 90%-93% copper.

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## Commissioning of HMS Plant

The first copper concentrates from the HMS plant were produced on June 9, 2007 with production at design capacity achieved during August 2007. The HMS product is a coarse grained malachite concentrate averaging approximately 27% copper. Optimization work on the Crushing and HMS circuits is ongoing. The design of the Crushing and HMS plant was undertaken by Internet Engineering of Perth.

## Electric-Arc Furnace Construction

Civil works for the EAF are nearing completion and the furnace building has been erected with final cladding in progress. Shipment of mechanical equipment and EAF components is ongoing and is expected to be completed within six to eight weeks. The commissioning of the EAF is planned to commence during the fourth quarter of 2007 and conclude during the first quarter of 2008. The design of the two 7.5 MW EAFs was undertaken by Keech Furnace Technologies of South Africa.

## Production at Kinsevere

Production from the start of commissioning on June 9, 2007 to September 30 is as follows:

<b>KINSEVERE PRODUCTION YEAR TO DATE (June 9-September 30, 2007)</b>	
Ore crushed (tonnes)	134,827
Copper grade (% Cu)	7.45
Contained copper in ore (tonnes)	10,045
Total copper recovery (%)	65.9
Concentrate produced (tonnes)	23,425
Copper produced in concentrates (tonnes)	6,622

Mining operations to date have been carried out without the need for drilling and blasting as both ore and waste are very weathered. The higher clay content in the ore has caused some crushing and screening issues which are expected to be solved by the purchase of a Coarse Material Washer (“CMW”) which will be installed in the secondary/tertiary crushing circuit in order to allow all ore types to be processed and to increase throughput. The CMW will be delivered to site during October 2007 and it is anticipated that it will be commissioned during the early part of November 2007.

## Connection to DRC Hydro-electric Power Grid Nearing Completion

A Power Purchase Agreement was signed in September 2007 with Société Nationale d’Électricité, the DRC government electricity company, for the supply of 39.5MW of hydro-electrical power. A 27 kilometre 120kV transmission line has been erected between the mine site and Lubumbashi and associated connection infrastructure is currently being completed. The new transmission line will be capable of fully supporting the power demands of the planned Stage II development of a 60,000 tonnes per year Solvent Extraction Electro-Winning (“SX-EW”) plant. On-site diesel powered generators are providing the electrical power needs for the mine until the 120kV transmission line is energised.



Construction of a new 24km mine access road alongside the 120kV transmission line is nearing completion and will result in a substantial reduction of traffic through villages located on the refurbished access road located further to the west.

### Mining at Kinsevere

Open pit mining on both the Tshifufia and Tshifufiamashi deposits has operated at full capacity since January 2007. Substantial advance waste stripping at the Tshifufia pit had been completed by June and this has provided the Company with significant flexibility in its mining operations and increased ability to blend ore feed to the HMS plant. The tailings dam is now operational and allows for storage of the fine effluent from the concentrator.

The tailings (average grade of 2.9% copper) are retained in the tailings dam, and the HMS floats (average grade 4.3% copper) are being stockpiled. Both of these reject products will be subsequently re-processed through the Stage II SX-EW plant.

As of September 30, 2007, the Kinsevere stockpile of high-grade and medium-grade copper ores available for processing through the HMS plant and Stage II SX-EW plant were as follows:

<b>KINSEVERE STOCKPILES</b> (as at September 30, 2007)			
	<b>Tonnes</b>	<b>Average Copper Grade (%)</b>	<b>Contained Copper (tonnes)</b>
High-grade	56,150	7.6	4,267
Medium-grade	279,077	3.7	10,326
<b>Total high-grade &amp; medium-grade</b>	<b>335,227</b>	<b>4.3</b>	<b>14,593</b>
Low-grade	196,203	1.2	2,433

### Production Profile for Stage I

The production profile of the Stage I HMS and EAF processing plant, up to the commissioning of the SX-EW plant in mid-2009, is expected to be as follows:

<b>KINSEVERE STAGE I</b> <b>TARGETED PRODUCTION PROFILE</b>		
	<b>June – Dec. 2007</b>	<b>Full Year 2008</b>
Total ore mined (tonnes)	808,000	1,949,000
Average copper grade (% Cu)	5.2	5.4
Ore Treated (tonnes)	270,000	702,000
Average copper grade (% Cu)	7.4	7.1
Average copper recovery (%)	61	57
Tonnes of “black copper” ingots or copper in concentrate produced	12,200	28,400



## **Kinsevere Stage II**

In April 2007, following completion of a feasibility study, the Board of Directors approved the Kinsevere Stage II development at a capital cost of \$238 million. The Stage II development, which involves construction of a 60,000 tonnes per year SX-EW plant, will produce LME Grade A quality copper cathode directly at the mine site.

There are a number of important synergies between the Stage I and Stage II projects, with key aspects of the infrastructure developed for Stage I to be used during Stage II. For example, tailings from the Stage I HMS plant will be reprocessed through the SX-EW plant; the power line being constructed for the purpose of providing electrical power for Stage I will deliver sufficient power to support the Stage II 60,000 tonnes per year SX-EW plant, and parts of the front end crusher for Stage I have been designed to allow for the higher level of throughput required for Stage II.

In early July, the Company announced the appointment of Ausenco Limited from Australia as the provider of Engineering, Procurement, Construction and Management services for the Kinsevere Stage II development. This work has already commenced, with clearing of the site now completed and excavation works and preparation of foundations well underway. A contract for the placement of major concrete foundations has been awarded. Many of the equipment specifications have been finalised and the tendering and procurement process for major capital items is in progress with orders already placed for the ball mill, thickeners, apron feeder and mineral-sizer.

## **Kinsevere Mineral Resources**

The Phase 3 drilling program comprised of 45,367 metres of Reverse Circulation, Diamond and Air-core drilling was completed in June 2007. The main purpose of this drilling program was to complete the infill drilling at the Tshifufia and Tshifufiamashi deposits and carry out the initial Reverse Circulation and Diamond drilling on the area referred to as the Kinsevere Hill Extension. An updated Mineral Resource estimate is expected to be announced before year-end.

## **Community Development at Kinsevere**

Anvil's commitment to implementing sustainable community development at Kinsevere continues to be executed in conjunction with the Company's social development partner, Pact Inc., ("Pact") an International Development Agency. The Company's community development projects continue to address the local communities' needs for basic infrastructure and economic development, with clean water, health and education the primary components of the Company's community development program.

Following the successful commissioning of 13 water boreholes in surrounding villages, construction of two schools and a health facility began last month. Programs to increase food crop production, adult savings and literacy are also in place and the construction of a new market is scheduled for later this year. The commencement of early works on Kinsevere Stage II has resulted in the Company undertaking a number of "in-community recruitment drives" to support the development of Kinsevere Stage II and in the past month, 80 labour positions have been filled. This is consistent with the Company's goal of maximizing local employment. Looking forward, the Company's community development programs will continue to focus on building the capacity of local communities to benefit from the Company's current and future operations.



The Company's 95% interest in the Kinsevere copper mine is held by AMCK Mining sprl ("AMCK"), a Joint Venture company involving Anvil (95%) and Mining Company of Katanga (5%).

Anvil Mining Limited is an unhedged copper and silver producer whose shares are listed for trading on the Toronto Stock Exchange (as common shares) and the Australian Stock Exchange (as CDIs) under the symbol AVM. It has majority interests in and operates the Dikulushi copper-silver mine, the Kinsevere copper mine and the Kulu copper tailings operation in the Katanga Province of the DRC.

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***Additional Notes:** The information in this news release that relates to engineering and construction works has been reviewed by Mike Newman, Anvil's Vice President Project Development. Mike Newman is a Chartered Engineer and a member of the Institute of Mechanical Engineers. Mike Newman has consented to the inclusion of such information in this news release in the form and context in which it appears.*

***Caution Regarding Forward Looking Statements:** The forward-looking statements made in this news release are based on assumptions and judgments of management regarding future events and results. Such forward-looking statements, including but not limited to those with respect to the operations of the construction and development of a 60,000 tonnes per year SX-EW plant and Electric-Arc Furnace and hydro-electric power grid at Kinsevere and its capital expenditures and estimated future production and operating cash costs involve known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the actual market prices of copper, the actual results of current exploration, the actual results of future mining, processing and development activities, changes in project parameters as plans continue to be evaluated, as well as those factors disclosed in the Company's filed documents.*

# Photos of Kinsevere Stages I and II

*To accompany  
News Release dated  
October 23, 2007*



*Mining at  
Tshifufia Central  
Open Pit*



*Kinsevere Mine Stage I  
Crushing and Screening  
Circuit*



*Kinsevere Mine  
Administration Block*



*Kinsevere Mine Stage I  
Power Station – 2MW  
(temporary diesel generators)*



*Kinsevere Mine 2 x 30MW  
120kV/33kV  
Step Down Transformers  
and Switchyard*



*End of 27 km 120kV  
Transmission Powerline  
Connecting Kinsevere Mine  
to DRC Hydro-Electric Grid*



***Kinsevere Stage I  
Electric Arc Furnace  
Building***



***Kinsevere Stage I  
Electric Arc  
Furnace Bases with  
Furnace Shells in  
Background***



***Clearing for  
Kinsevere Stage II Plant  
Showing Foundation  
Excavations***