



COMPANY ANNOUNCEMENT

Emerald Mineral Resource achieves major milestone in being upgraded to predominantly Measured and Indicated Status

Highlights

- The Emerald Mineral Resource has been upgraded to a predominately JORC reported Measured and Indicated classification by West Wits
- This upgrade is a significant milestone for the Company and further validates the presence of high grade mineralised parallel reefs from surface
- The Measured Mineral Resource as reported has 95,600 ounces at an average grade of 1.81g/t, down to an average depth of 85m across a 2km strike length. The eastern side of the resource, now known as West Lancaster, contains 34,700 ounces at 2.14 g/t
- West Wits has also completed metallurgical studies which returned overall gold recoveries of 93%, including 30% gravity gold recoveries
- Ground surveys to site the pit and accommodate relevant infrastructure have been completed
- Toll treatment discussions have commenced with various gold processing operators in the area. An agreement is anticipated to be completed over the coming weeks
- Pit optimisations and environmental studies have commenced and Ore Reserve estimations are anticipated to now be completed by mid July 2009

29 May 2009:

West Wits Mining Limited (ASX:WWI) ("the Company" or "West Wits") is pleased to announce an upgrade of the Emerald Mineral Resource to a Measured and Indicated category to JORC Code reporting standards. This upgrade is seen as a major milestone in the Company's ambition to have the Emerald Project in production by the end of 2009. The upgrade also continues to support West Wits' exploration and business model, that economic open cut mining operations could potentially be established to take advantage of existing near surface high grade mineralisation.

Mr Grant Ferguson, the Company's Executive and Technical Director commented, "The upgrade of the Emerald Mineral Resource continues to validate the Company's exploration model. This model has concentrated thus far, on delineating extensive near surface mineralisation with the intention of converting the Mineral Resources into Ore Reserves. The proximity to potential toll treatment facilities and shallow depth of this resource indicates there are reasonable prospects for eventual economic extraction."

West Wits' was informed by its independent consultants CSA Global Pty Ltd, that the Emerald Mineral Resource was upgraded to include a 95,600 ounce Measured Mineral Resource to JORC reporting standard at an average grade of 1.81g/t, down to an average depth of 85m across a 2km strike length. Within the Mineral Resource, a higher grade mineralised section exists on the eastern side, now known as West Lancaster, of 34,700 ounces at 2.14 g/t. The resource upgrade also included 7,400 ounces at 1.85g/t, which was upgraded to Indicated category.

The Company and its consultants have significantly increased their confidence in the Emerald Mineral Resource through;

- Assay results from the recently completed follow up drill program, which allowed the geological team to further define high grade parallel conglomerate reefs, void confirmation against historical maps and simplify the original geological interpretation; and,
- A recently discovered historical mining map of the Kimberley Reef across the West Rand Consolidated and Luipaardsvlei Leases, further outlined the extensive and continuous historical mining that occurred. This assisted in the understanding of the geometry and continuous mineralised nature of the reef.

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Through the recent drill program, West Wits focused on the higher grade zones within the initial Emerald Inferred Mineral Resource. The intention was to provide the Company with an opportunity to accelerate the development of the resource to the point where an ore reserve estimation could be undertaken. Areas of lower grade mineralisation within the resource and its extremities will be investigated further with another program towards the end of 2009. A 1km strike extension was established at the Emerald Mineral Resource earlier in the 2009.

The Company is continuing its focus on bringing the Emerald Project into production. This would create early cash flow for the Company, helping to fund access to historical underground workings, where deeper and more significant targets are located. The presence of existing underground infrastructure provides the Company with numerous possibilities and significantly reduces the capital expenditure required to access the targeted underground areas.

Final economic studies have now commenced, with Australian Mining Consultants, engaged to conduct the engineering and pit optimisation studies with the intention of converting the Emerald Mineral Resource into an Ore Reserve. Environmental studies have also been commenced.

The Company is also pleased to announce that the metallurgical studies have been completed. The results of the comminution and leaching tests confirm the Emerald oxide/transitional mineralised zones are consistent with known metallurgical characteristics of the ore historically treated from the Project Areas. Metallurgical recovery results anticipate an overall gold recovery of 93%, including gravity recovery of 30%.

Detailed land surveys have also been completed to site the pit and accommodate relevant infrastructure.

Toll treatment discussions are continuing with selected mineral processing operators in the immediate area. A toll treatment agreement is anticipated to be completed in the coming weeks.

The Company is aiming for all studies to be completed in the coming weeks, subject to which the Company anticipates being able to apply to the Department of Minerals and Energy for an approval to mine over the targeted area. If all these milestones continue to be successfully achieved in a timely manner, West Wits' is confident that the Emerald Project can be in production by the end of the year.

For And On Behalf Of The Board

Grant Ferguson
Executive Director
West Wits Mining Limited

West Wits Mining Limited (ASX Code : WWI) is an Australian listed public company with exploration assets 20km west of Johannesburg, South Africa. West Wits has been formed to explore, evaluate and potentially extract gold and uranium from the Company's Project Areas located on the West Rand Goldfield of South Africa's Witwatersrand Basin. The Witwatersrand Basin is regarded as one of the largest mineralised gold and uranium systems in the world and is widely known for its rich, continuous multiple reef ore-bodies.

For Further Information Visit: www.westwitsmining.com

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Table 1 - Emerald Measured/Indicated/Inferred Mineral Resource estimate

	Cut-off (g/t)	Tonnes	Au Grade (g/t)	Au (Ozs)
Measured				
Emerald Main Zone	1	1,134,000	1.67	60,900
Lancaster West Zone	1	505,000	2.14	34,700
Measured Total		1,639,000	1.81	95,600
Indicated				
Emerald Main Zone	1	87,000	1.66	4,600
Lancaster West Zone	1	39,000	2.26	2,800
Indicated Total		126,000	1.85	7,400
Inferred				
Emerald Main Zone	1	-	-	-
Lancaster West Zone	1	18,000	1.32	760
Inferred Total		18,000	1.32	760
CSA Model Total		1,783,000	1.81	104,000
East Emerald Zone*				
Indicated	1	45,000	1.5	2
Inferred	1	400,000	1.4	18
MSA Total		445,000	1.4	20
Emerald Total		2,228,000	1.73	124,000

Notes:- * denotes original MSA Geoservices Princess Mineral Resource which has been incorporated into the Emerald Mineral Resource. Rounding errors may occur.

The information in this report that relates to Emerald and Lancaster Mineral Resources is based on information compiled by Mr. Gerry Fahey of CSA Global Pty Ltd who is a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Mr. Fahey has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves'. Mr Fahey consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Emerald East Zone Mineral Resources is based on information compiled by Mr. Freddie de Bruin of MSA Geoservices Ltd who is a Member of the South African Council for Natural Scientific Professions, which is a recognised by JORC a ROPO (recognised overseas professional organisation). Mr.de Bruin has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves'. Mr de Bruin consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

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Table 2 - Updated West Wits Mineral Resource Table

	Au Cut-Off (g/t)	Tonnes	Au Grade (g/t)	Au ('Ozs)
Measured				
Emerald	1	1,639,000	1.81	95,600
Measured Total		1,639,000	1.81	95,600
Indicated				
Emerald	1	171,000	1.72	9,500
Radiant	1	671,000	1.79	39,000
Indicated Total		842,000	1.79	48,500
Inferred				
Emerald	1	418,000	1.40	18,760
Radiant	1	4,250,000	1.70	232,000
Marquise	1	296,000	1.72	16,000
Inferred Total		4,964,000	1.67	266,760
Total		7,445,000	1.72	410,864

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Figure 1 – Emerald Gold Resource – 3 Dimensional Model

