



Trafford Resources Limited

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4th January 2010

The Listing Manager
ASX Limited

IronClad Mining Limited - ASX Announcement

Enclosed is an ASX announcement dated 4th January 2010 lodged by IronClad Mining Limited ("IFE"). Trafford Resources has a 50% direct interest in IFE and a 20% free carried interest in the Wilcherry Hill Iron Ore Project

Neil W. McKay
Company Secretary

ASX / MEDIA RELEASE

4 January 2010



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**METALLURGICAL TESTS CONFIRM EARLY
LOW COST START AND HIGH QUALITY DSO
OPTIONS FOR WILCHERRY HILL**

Highlights:

- **Low cost, high quality early start options for Direct Shipping Ore confirmed.**
- **All 50-60% Fe easily upgradable to + 60% Fe using simple dry processes.**
- **High lump to fines ratio - >50% Lump**
- **Significant upgrade by size from simple crushing and screening.**
- **Low cost mobile processing plant option**
- **Premium product with very low impurities producing an iron ore product with excellent product specifications**

The Directors of IronClad Mining Limited (ASX:IFE) are pleased to advise that recent metallurgical test work of its high grade iron ore at Wilcherry Hill confirms that simple dry, low cost processing will enable the Company to commence production of 2 million tonnes a year of premium >60% Fe Direct Shipping Ore (DSO) late this year.

Low cost processing on site is likely to be carried out utilising a simple mobile crushing and screening plant with accompanying low intensity magnetic separation options.

The work, carried out by Promet Engineers, involved multiple tests on typical ore samples from recent drilling on the Weednanna Prospect at Wilcherry Hill. Due to the extremely high grade nature of the in situ ore at the Weednanna Prospect, it is the likely site for the first open cut DSO mining operation.

The excellent results are critical to IronClad’s plan to fast-track Wilcherry Hill into production as quickly as possible in order to take advantage of the current, strong demand and prices in the sea-born iron ore trade.

The Company has already determined its land transport requirements and port access for shipping from the project which is located on South Australia’s Eyre Peninsula.

Mining, transport, port handling and end user sales contracts are all currently being negotiated.

Significantly the test work has also confirmed that IronClad will be able to extend its proposed Stage 1 DSO operation by simple processing of material down to 50% Fe. A lower cut off grade of 50% Fe readily and economically upgrades to + 60% Fe by crushing, screening and low intensity dry magnetic separation.

Dry magnetic separation is preferred as it is a low cost option and does not require extensive amounts of water. Further test work will be undertaken during the bankable feasibility study to optimise plant design.

The test work has also shown a significant upgrade by size from simple crushing and screening with high lumps to fines ratio of 52:48. This high lumps ratio should enable IronClad to negotiate a premium price for its shipped product.

Quality products can be produced with low impurities (refer table 1). In addition to the high lumps and fines grades the test work shows that a high grade (>65% Fe), <3mm sinter additive can also be produced.

Table 1: Summary of Likely Specifications from test work.

	Lump	Fines	Sinter Additive
Size Range	95% -32+8mm	80% -8mm+150micron	90% -3mm+45micron
%Fe	>60%	>60%	>65%
%Fe⁺⁺			>18%
%Fe ex LOI	>64%	>63%	>65%
%SiO₂	<5%	<5%	<2%
%Al₂O₃	<3%	<3%	<1.8%
%CaO	0.02-0.04%	0.02-0.04%	0.02-0.04%
%MgO	0.7-0.9	0.7-0.9	0.7-0.9
%TiO₂	<0.04	<0.04	<0.04
%Na₂O+K₂O	<0.12	<0.12	<.05
%P	<0.02	<0.02	<0.02
%S	<0.04	<0.04	<0.04
%MnO	0.12-0.15	0.12-0.15	<0.1

The combination of +60% Fe DSO material, the simple upgrade of >50 % Fe resources to DSO level, other positive test work results and the planned low cost mobile processing option support IronClad's intention to fast-track Wilcherry Hill into early production of a low cost premium grade product that will be an outstanding attraction for steelmakers.

Over the longer term IronClad plans more extensive developments based on Wilcherry Hill and the adjacent Hercules iron ore deposit which has the potential to contain in excess of a billion tonnes of magnetite ore.

A handwritten signature in black ink, appearing to read 'I D Finch', written in a cursive style.

Ian D. Finch

Executive Chairman.

The information that relates to exploration targets, exploration results and drilling data is based on information compiled by Ian Finch, who is a member of the Australian Institute of Mining and Metallurgy and who has more than five years experience in the field of activity being reported on. Mr Finch is the Executive Chairman of the Company.

Mr Finch has sufficient experience which is relevant to the style of mineralisation and type of deposits 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, Minerals Resources and Ore Reserves.

Mr Finch consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.