Dear Professor Ross Garnaut

I refer to the most important write ups of your foundations Review and I congratulate you for your pioneering effort.

My name is TOM GULER 86 and I am one of the known Heat Treatment experts of Australia and also in my long activity over half a century, I am also regarded as such Internationally.

There are in the world Millions of Tons of ferrous wire products annealed annually and due to big demand in the Automotive Industry, as well as domestic appliance field, many millions of tons of steel cold rolled strips are used annually.

There are over 3000 conventional big annealing furnaces world wide and some furnaces are really big they can take up to 120 Tons of strip and about sixty tons of wire and each furnace has a stainless retort into which the to be treated product is loaded and the product is then gas heated with direct firing gas burners.

When one considers that each big annealer may have up to 10 burners each being equivalent to 3 000000 BTU per burner, it is no wonder that as I have seen in Shanghai, Shenyang and many industrial centers in USA and EUROPE, peoples living close to these mills are subject to serious health hazards. Apart on the effect on humans the millions Kilo Calories of the exhaust gases certainly pollute the air and create the problem for which you are now personally the champion for Australia and also will influence many other nations including USA, KOREA, China, perhaps India and the EURO countries Is it not also the case that previously Newcastle, NSW and Wollongong dont have a very clean air. Australia is very proud to have such a champion as Prof Garnaut whose opinions will be highly respected by the Euro Nations and others. In the steel world.

I have not seen one comment in your Review touching the problem in the steel mills. It is a very specialised field and I am quite competent to highlight this point to you, Sir.

You may be interested to know that I was involved with the Chinese Ministry of Machines through the No 5 Institute of Luoyang (Henan Province) and I gave
lectures at the famous Jiao Tong University of Shanghai to many Professors and I had Professor XU Zuyao as my personal guest in Australia to view my Unique High Vacuum big annealing furnace at the GOLD Coast QLD, and upon which I was invited to talk to the famous Ergang No 3 Steel Mill in Shanghai and I had Prof LIM to chaperon me and Prof XU where for the first time in China I pointed out to them that they were 40 years behind times.

It so happens that the Germans gave big credits to Bao Sha of PUDONG and they installed a big plant with over 100 conventional gas firing Annealers. These large FURNACES RUNNING INTO HUNDREDS OF MILLIONS OF DOLLARS IN FACT HAVE POISONED THE AIR ABOUT 60 MILES IN RADIUS OF PUDONG WHICH I HAVE ALSO VISITED. No wonder that around the Shanghai Mill one can hardly breathe on a cold morning. (You were ambassador in China, hence I don't have to elucidate. You know it personally.

Well we have a major problem in Australia. BHP Billiton are also big Coal mine owners and they make big profit selling COAL and obviously the Kyoto Protocol poses a certain danger for them for future profits. This is the impression I had talking to some BHP top engineers.

Now in Australia there are many dozens of conventional fas firing annealing furnaces in the works of BHP/ The top engineers are reluctant to upset the cart of their production systems and they seem to be recalcitrant to the idea to switch over to Vacuum when annealing and I have problems to approach the top men of BHP to present them the immense climatic advantages that my high vacuum annealing technology may bring to Australia's clean air implementations.

I am preparing a concise abstract which I shall mail to you with the due formular under SUBMISSION required by your esteemed Garnaut Review. Meanwhile I congratulate you for your brilliant efforts

TOM Guler (Recipient of the prestigious Caude A Stewart Award for 1999 of the Australian Metals Institute)

Regards

TOM Guler

26/3/08

3/23/2008
IT IS SAID THAT IT IS HARD TO BREATHE IN A COLD MISTY DAY DUE TO POLLUTION IN SHANGHAI STEEL STRIP CO., LTD.
14th January, 1997

Tom Culer, Esq.,
Thermovac Pty. Limited,
27 Bilby Street,
TUGUN GOLD COAST QLD 4224

Dear Tom,

Thank you for the loan of the two (2) files enclosed.

I have also passed to Lysaghts, Port Kembla, copies of other documents, letters and samples you have sent on earlier occasions. The information has been sent to:

Mr. Kevin Goss,
Works Combustion and Services Engineer,
BHP Flat Products Division,
Box 1854, Post Office,
Wollongong NSW 2500

Telephone No. (042) 756 628 (Direct Line)
(042) 756 111 (Switchboard)

I have known Kevin for a many years and he is an "old" Combustion Engineer like you and me!

During 1997, it is my personal ambition to carry out, as accurately as possible, a detailed cost estimate of installing two (2) Culer furnaces in an appropriate building at Newcastle Wiremill, together with, say, a ten (10) year operating cost analysis to give a "best estimate" cost flow analysis and ROC (return on capital) associated with the expenditure.

I will contact you in February after I return from annual leave, to assist me in this target I have set myself.

Regards and thanks for your continuing interest in BHP.

Yours sincerely,

[Signature]

Vic Austin
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60 Tons

Temperatures:
750-850-900°C

Vacuum:
$10^{-4}$ TORR

Exceptional uniformity
Shorter cycle times
350kW/hour per ton

Unmatched loading possibilities

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