

**«AGC» OJSC
«Arkhangelsk CHP-plant» Branch**

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LETTER OF RECOMMENDATION

Arkhangelsk CHP-plant, being the part of «Arkhangelsk generating company» structure and being the only large supplier of heat for the city of Arkhangelsk, pays great attention to maintenance of its equipment in good condition and its maximum heat emission for the needs of the city and its residents.

Lately «Northern Interindustry Company «The Alternative» Ltd helps a lot in this important issue supplying heat exchange elements for air heaters developed by Vladimir D. Komyagin. At the same time they give recommendations on the heat exchange elements installation and their improved efficiency.

Thus, in May-July, 2005, having done repair works on TM-84Б boiler unit No. 5, the result of which was replacement of heat exchange elements in regenerative air heater PБИ-54 for the ones supplied by «The Alternative» company, our station specialists have fixed the following positive results:

- boilers average gross efficiency has gone up and become 92% on average when using black oil (mazut);
- the electric power usage for traction and blast (0.79kWatt-hour/Gcal) has reduced and has become 0.49kWatt-hour/Gcal less than the standard;
- air inleakage into the boiler gas duct has become 3.2% less that is 12.8% higher than the standard indices;
- resistance of RAH heat exchange elements has reduced by 10% and is at the level with the measurements that are determined in the technical assignment;
- temperature head of the RAH has reduced by 1.5 times (by 17°C).

All the above mentioned changes in the boiler functioning economize fuel greatly. Taking into account high fuel cost, it gives positive economical and ecological effect during CHP-plant functioning.

Cooperation with «Northern Interindustry Company «The Alternative» Ltd takes place in maximally favorable atmosphere. All arising issues are considered and solved fast and rationally. Besides, we note the company's staff serious method of approach to the business, professionalism and respectful attitude to their buyers.

Arkhangelsk CHP-plant recommends «Northern Interindustry Company «The Alternative» Ltd and packaged CMKA® heat exchange elements for regenerative air heaters produced by it to the widest range of organizations included into the energy branch.

Director

A.V.Telitsin

Arkhangelsk
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