

VTGC OJSC

«VOLGA TERRITORIAL GENERATING COMPANY»

« ULYANOVSK CHP-PLANT» Branch

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«Northern Interindustry Company
«The Alternative» Ltd
For the attention of Deputy Director General,
Director for Development
A.E. Lebedev

About the results of RAH heat exchange elements replacement

From July 06, 2009 to August 30, 2009, during major repair period, in regenerative air heater PBII-88 of TIE-429 boiler No.1A the replacement of heat exchange elements supplied by «Northern Interindustry Company «The Alternative» Ltd was executed.

Further operation of boiler unit TIE-429 (No.1A) indicated the next parameters:

- the temperature of exhaust gases decreased by 8 °C;
- the air inleakage into RAH decreased by 5.5 %;
- boiler gross efficiency increased by 0.84 %;
- specific power consumption for draft and blast decreased by 1.82kW*h/tons of steam;
- the conditions of motor-reducer operation improved (during of its operation there were not any faults by the reason of the equipment breakdown).

All mentioned changes in performance indices of the boiler provide significant fuel economy that influences efficient functioning of the station and improves ecological situation.

Director – Main Engineer

V.A. Antonov

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