

OPEN JOINT STOCK COMPANY
THE FIFTH GENERATING COMPANY OF WHOLESALE ELECTRICITY MARKET
«Sredneuralsk SDPP» branch
 2 Lenina street, 624070 Sredneuralsk
 Tel.: (343) 359-54-59, (343) 359-54-59
 www.ogk-5.com

Our ref.: No.01-01-06/1167dated December 04, 2007

«Northern Interindustry Company
 «The Alternative» Ltd
 For the attention of Chief Engineer
 V.I. Mankovsky

About forwarding the measurements after heat exchange elements replacement

Dear Vladimir Igorevich,

I'm sending you the measurements data after replacing the heat exchange elements of hot end for rotating air heater PBB-14 (body A and B) with CMKA[®] heat exchange elements produced by «Northern Interindustry Company «The Alternative» Ltd.:

Parameters	Previous heat exchange elements May 27, 2002	CMKA [®] heat exchange elements produced by «Northern Interindustry Company «The Alternative» Ltd. November 01, 2007
Direct steam rate, case 14A, t/h	480	480
Cold air temperature before rotating air heater-A/B, °C	27/26	27/27
Hot air temperature after rotating air heater-A/B, °C	281/270	288/277
Temperature of released gas after smoke exhaust, °C	137	132
Rotating air heater-A/B resistance by air, mm H ₂ O	90/90	60/60
Revolving air heater-A/B resistance along gas side, mm w.c.	100/100	60/60
Heat loss with released gases, q , %	6.7	6.01

According to the preliminary assessment of Central Scientific Institution specialists, improvement of rotating air heater operation indices will allow to economize 700÷800 tons of standard fuel per year.

Deputy Chief Engineer

V.M.Smirnov