

JI 0078 CMM utilisation on the Coal Mine № 22 “Kommunarskaya” of the State Holding Joint-Stock Company „GOAO Shakhtoupravlenye Donbass“

Revised estimation of emission reductions for the years 2008-2009

In Chapter A.4.2 of the original PDD, which has been prepared in 2006; the calculation of emission reductions is based on a project installation beginning in 2007 and production start date beginning with 2008-01-01. Due to delays in the determination process, the installation of the project delayed, so the originally calculated emission reductions given in Table A-4 of the PDD can not be reached for the years 2008 and 2009.

The real emission reductions in 2008 were 1,689 t CO_{2eq}. In 2009 a value of about 60,000 t CO_{2eq} is estimated. The impact of the reduced project production on the total emission reduction for the complete crediting period and the average yearly value is given in the PDD in Table A-6.

Table A-6 –reduced emission reductions for the years 2008 and 2009 due to delays in the determination and installation procedure

	Years
Length of the period within which ERUs are to be earned	5
Length of crediting period	5
Year	Estimate of annual emission reductions in tonnes of CO ₂
2008	1,689
2009	60,000
2010	178,292
2011	178,029
2012	177,767
Total estimated emission reductions over the crediting period (tonnes of CO ₂ equivalent)	595,777
Annual average of estimated emission reductions over the crediting period (tonnes of CO ₂ equivalent)	119,155

Project Activity

The first utilisation units, a flare and a cogeneration unit have been delivered to Ukraine in December 2008. The flare has been put in operation at 2008-12-20, the cogeneration at 2009-01-27.

Both units are equipped with an electronic data acquisition and storage system, so that the emission reductions have been monitored since the beginning.

The flare has been shut down at 2009-06-13, has been moved to another location at the coal mine, and has been restarted at 2009-07-20.

The cogeneration has suffered from many technical problems, so that the production was poor.

In Figure 1- the gas flow amount and temperature of the flare is shown. Figure 2 shows the corresponding monitored ERU amount (not verified).

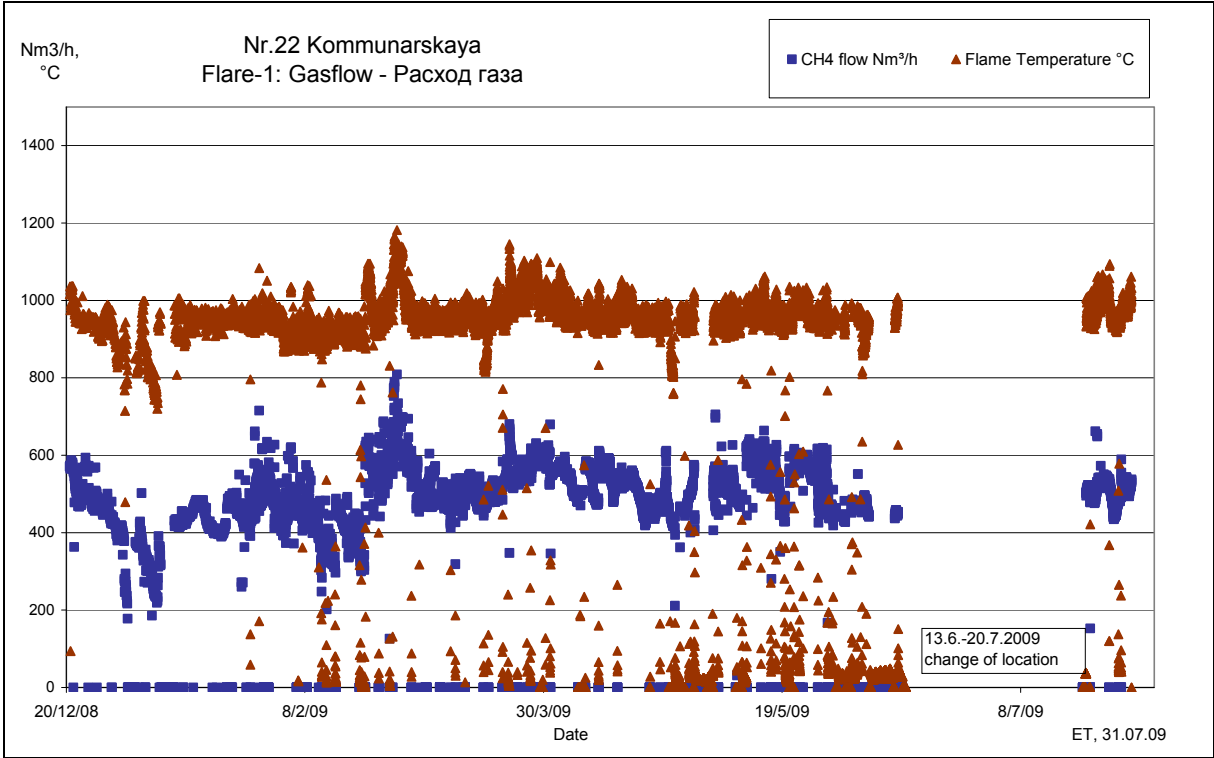


Figure 1 – monitored methane flow and flare temperature

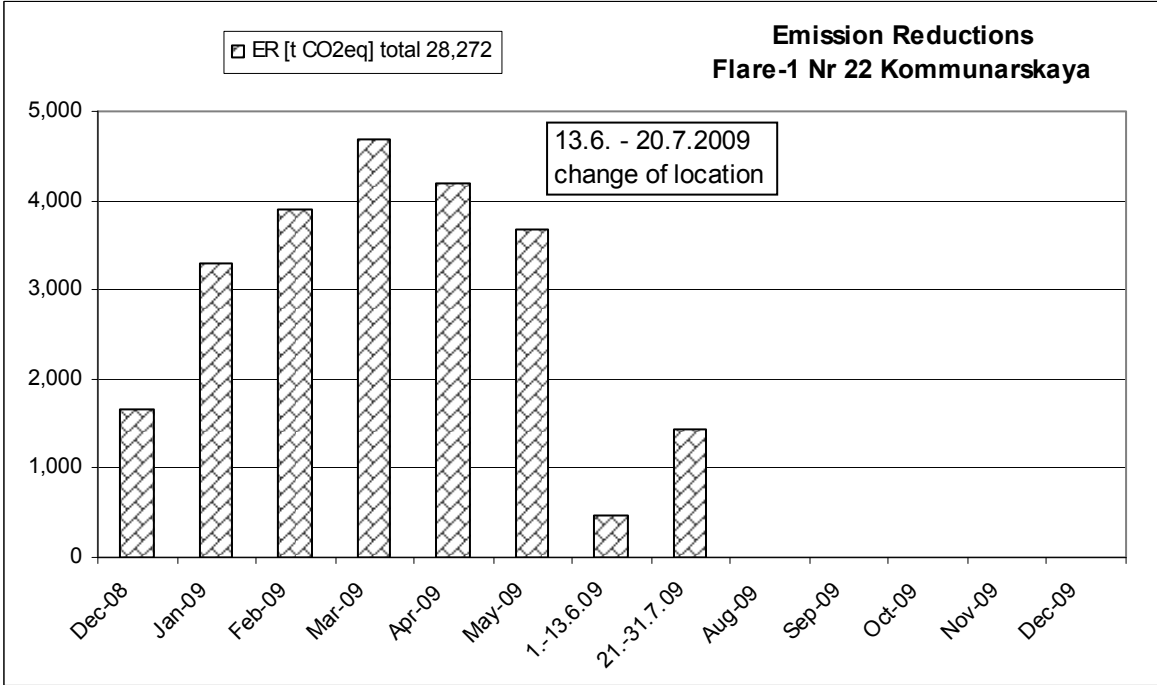


Figure 2 – monitored ERU amount for the flare, from the total of 28,272 CO_{2eq}, 1,689 t CO_{2eq} have been produced in 2008 and 26,583 t CO_{2eq} in 2009 until end of July

In Figure 3- the power amount produced by the cogeneration unit is shown. Figure 4 shows the corresponding monitored ERU amount, total of 3,689 t CO_{2eq} (not verified).

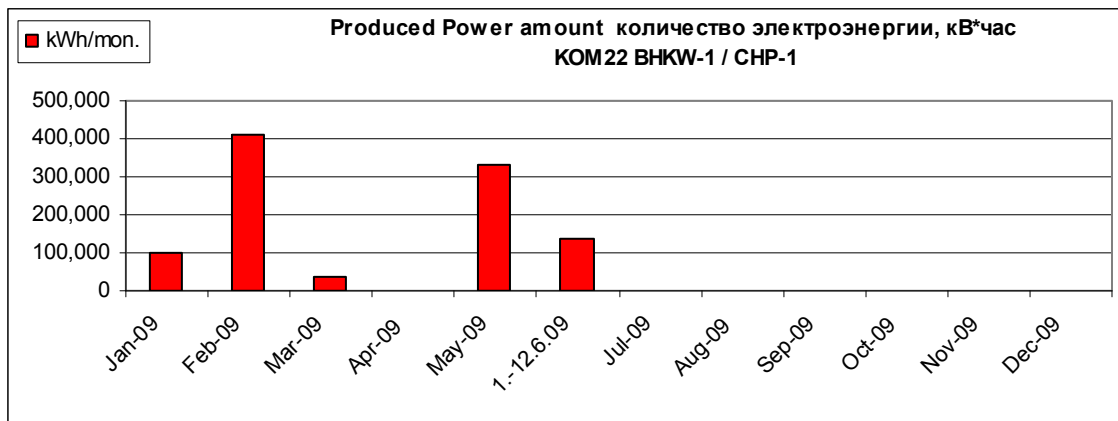


Figure 3 – monitored power production for the cogeneration unit

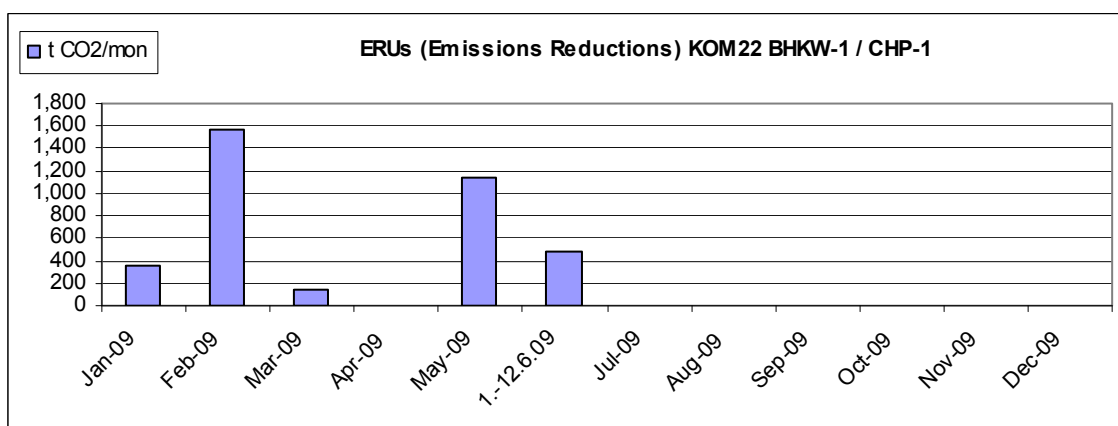


Figure 4 – monitored power production for the cogeneration unit

Estimation of the produced ERU amount

For the revised estimation of the emission reduction, the monitored value of 1,689 tCO_{2eq} gained by flaring in 2008 has been stated in the Figure A-6 of the PDD. This value is not verified and may change during the later verification procedure.

For 2009, a total of 30,272 tCO_{2eq}, 3,689 tCO_{2eq} for cogeneration and 26,583 tCO_{2eq} for flaring have been produced until end of July. Based on this value a total reduction of 60,000 tCO_{2eq} has been estimated for the year 2009 and stated in Table A-6 of the PDD.