



## Annex 12

**CLARIFICATION TO AM0034 (VERSION 02): CATALYTIC REDUCTION OF N<sub>2</sub>O INSIDE THE AMMONIA BURNER OF NITRIC ACID PLANTS**

1. The following clarifications have been issued to assist in the application of version 02 of the approved baseline methodology AM0034. These clarifications will be incorporated into the next revision of the approved methodology AM0034 (Version 03.4) as decided upon by the Executive Board of the CDM at its fifty-first meeting (paragraph 34, CDM-EB-51)
2. The Board noted inconsistent approaches in the application of the following requirement of the methodology to calculate the baseline emission factor ( $EF_{BL}$ ) when the baseline campaign length ( $CL_{BL}$ ) is greater than normal campaign length ( $CL_{normal}$ ):  
  
“If  $CL_{BL} > CL_{normal}$  N<sub>2</sub>O values that were measured beyond the length of  $CL_{normal}$  during the production of the quantity of nitric acid (i.e. the final tonnes produced) are to be eliminated from the calculation of  $EF_{BL}$ ”.
3. The Board clarified that “N<sub>2</sub>O values” in the above requirement refers to the values of concentration of N<sub>2</sub>O of stack gas ( $NCSG_{BC}$ ), therefore, while applying the above requirement of the methodology the project participants should eliminate the values for this parameter beyond the length of  $CL_{normal}$  for calculating the mean values for  $NCSG_{BC}$ .
4. The baseline emissions ( $BE_{BC}$ ) should be calculated using this mean value multiplied by the mean value of volume of the stack gas ( $VSG_{BC}$ ) and the total operating hours ( $OH_{BC}$ ) of the baseline campaign. In calculating the  $EF_{BL}$ , the nitric acid production corresponding to the operating hours of the total baseline campaign length ( $OH_{BC}$ ) should be used.
5. Further, the methodology also requires the recalculation of the  $EF_{BL}$  when the project campaign length ( $CL_n$ ) is shorter than normal campaign length:  
  
“If  $CL_n < CL_{normal}$ , recalculate  $EF_{BL}$  by eliminating those N<sub>2</sub>O values that were obtained during the production of tonnes of nitric acid beyond the  $CL_n$  (i.e. the last tonnes produced) from the calculation of  $EF_n$ ”.
6. The Board clarified that that “N<sub>2</sub>O values” in the above requirement refers to the values of concentration of N<sub>2</sub>O of stack gas ( $NCSG_{BC}$ ), therefore, while applying the above requirement of the methodology the project participant should eliminate the values for the parameter  $NCSG_{BC}$  beyond the length of  $CL_n$  for calculating the mean values for  $NCSG_{BC}$ .
7. The baseline emissions ( $BE_{BC}$ ) should be recalculated using this mean values multiplied by the mean value of the volume of stack gas ( $VSG_{BC}$ ) and total operating hours ( $OH_{BC}$ ) of the baseline campaign. In recalculating the  $EF_{BL}$ , the nitric acid production ( $NAP_{BC}$ ) corresponding to the total operating hours of the baseline campaign length ( $OH_{BC}$ ) should be used.

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