



CLIMATE
ACTION
RESERVE

Nitric Acid Production Project Protocol Summary of Changes from V2.0 to V2.1

June 2016

General

- Incorporated all errata and clarifications to V2.0 (as of March 22, 2016)
- Updated standard protocol language (throughout protocol)

Section 3

- Added information to Legal Requirement Test to specify that permits are required to be reviewed by verifiers (Section 3.4.1.1, Table 8.2)
- Moved Regulatory Compliance requirements to Section 3.5

Section 5

- Updated Equation 5.3 to allow the calculation of baseline emissions for HNO₃ production above HNO_{3,MAX,scaled} (Section 5.1.3)
- Clarified that the baseline emission factor is maintained for the life of the project (Section 5.1.3.2)
- Removed EF_{P,n} and HNO_{3,ER} variables, since baseline and project emissions will now be calculated from the entire quantity of HNO₃ produced during a reporting period (Equation 5.6)
- Removed Equation 5.7 and subsequent references
- Revised Equation 5.7 (previously Equation 5.8) to calculate emissions for the entire quantity of HNO₃ produced
- Revised Equation 5.12 (previously Equation 5.13) to calculate emissions for the entire quantity of HNO₃ produced during a reporting period
- Renumbered Equations 5.8 – 5.21 to 5.7 – 5.20
- Revised Figures 5.1 and 5.2 to update equation numbers
- Converted EF_{IPCC} defaults from kgN₂O/tHNO₃ to tN₂O/tHNO₃
- Added new variables:

Name	Description
EF _{,NEW}	Default baseline emission factor for production above HNO _{3,max,scaled}
HNO _{3,RP,Scaled}	Quantity of nitric acid production used to quantify emission reductions, not exceeding HNO _{3,MAX,scaled}
HNO _{3,NEW}	Quantity of nitric acid production by which HNO _{3,RP} exceeds HNO _{3,MAX,scaled}

Appendices

- Updated development information (Appendix A)
- Updated Table B.1 to apply to both EF_{,NEW} and EF_{,IPCC} (Appendix B)