

Expert review of Agriculture Sector	Peer review of nitrous oxide work through scientific papers: de Klein C A M, Barton L, Sherlock R R, Li Z, Littlejohn R P (2003). Estimating a Nitrous Oxide Emission Factor for Animal Urine from Some New Zealand Pastoral Soils. Australian Journal of Soil Research. 41(3): 381-399	2003		Not documented (prior to QA procedures developed)				
	Report to MAF: Revised nitrous oxide emissions from New Zealand agricultural soils 1990-2001	2003	F.M. Kelliher, S.F. Ledgard, H. Clark, A.S. Walcroft, M. Buchan & R.R. Sherlock	Not documented (prior to QA procedures developed)	Revision of nitrous oxide emissions from agricultural soils 1990-2001-including recommendations for inventory improvement	1. N2O emissions from grazing animal's urine & dung excreta should be estimated using separate emission factors (these to be determined from available & future measurements of NzOne). 2. Grazing animal feed intake should be determined by the model by Clark et.al. to connect N2O and CH4 emissions inventories. 3. Nitrogen excretion by grazing animals should be determined using model OVERSEER 4. Sales records should be used to determine N fertiliser use.	1. Not able to be done at present-explanation in NIR. Research ongoing 2. Has been addressed-model used. 3. Has been addressed-model used 4. Has been addressed-sales records now used.	Document number 61504 in Silent One
	Review of "Enteric methane emissions from New Zealand ruminants 1990-2001 calculated using an IPCC Tier 2 approach by Harry Clark, Ian Brookes and Adrian Walcroft"		K. R. Lassey of NIWA	Not documented (prior to QA procedures developed)				Report kept in Ag sector filemaster box in Sonia's tambour
	Review of Agricultural sector GHG program to ascertain whether program is meeting objectives	2004	Marc Uilyatt		The research projects contracted by MAF over the period 2001-2004 to improve the methane inventory are reviewed within a framework that allows consideration of first the progress in developing an overall inventory model and second research into the components of the model.	The reviewer recommended the following areas need to be addressed, in the following order: 1. Evaluation of the soil sink for methane under plantation forests. 2. Continuation of the work determining enteric methane emission factors. 3. Determination of the proportion of methane emitted via the flatus. 4. Continued evaluation of satellite imagery in determining nutritive value on a national scale. 5. An independent evaluation of the methodology used in uncertainty analysis. 6. Measurements to determine an emission factor for waste management via anaerobic lagoons. 7. Annual upgrading of the model (this should probably be listed as an overhead outside research priorities because of the UNFCCC requirement for annual inventory reporting).		Doc no 61522 in Silent One
	Review of NZ Official 1990 Animal Statistics	2004	Meat and Wool New Economic Service Rob Davison	Organised by MAF	Review sheep livestock numbers and provide an assessment for base livestock from 1989-1991.	1. Sheep numbers from the 1991 census are probably too low and should be revised in the inventory. They would likely increase by 2% from 55,162 to 56,300. Lambs tailed would increase 7% from 38,716 to 41,398.	Follow up with MAF to ensure consistency	Doc no 61511 in Silent One
Expert review of Land use change and forestry Sector								
Expert review of Waste Sector								
Review of QA/QC procedures and plan	Review of current QA/QC procedures and plans in the national inventory	2004	Mr Wayne Gillies Claws consulting Ltd	CV assessed and in records	Report detailing how the current Quality Assurance and Quality Control (QA/QC) procedures and plan used in the Inventory compare to the QA/QC guidance in GPG. Provide a prioritised list of recommendations to be implemented for the New Zealand inventory QA/QC system to be consistent with GPG.	Key short term recommendation is to document a plan to achieve consistency with GPG by 30/9/06 and ensure this plan understood & agreed with all necessary parties.	Many of the recommendations in this report have been addressed this during 2005 calendar year with the remaining to be addressed during 2006.	Doc no 60650 in Silent One