Ammonia emission from Broiles - Melavellir, Matfugl ehf

The values are taken from Stable balance made in Vera for values of 2024 production
Vera is a calculation tool developed by the Swedish Board of Agriculture

Animal units, delivered/round	138 565
Rounds per year	8,7

Stable balance N	In	Out
Feed	102 976	
Bedding	413	
Baby chickens	1 248	
Broiler chickens		62 979
Carcass		925
	104 637	63 904
Nitrogen from animals		**40 733**
Excreted N, kg/animal unit and year		0,29
BAT-reference value, BAT 3		0,2-0,6

Stable balance P	In	Out
Feed	13 913	
Bedding	41	
Baby chickens	198	
Broiler chickens		9 990
Carcass		147
	14 152	10 137
Phosphorus from animals		**4 015**
Excreted P, kg/animal unit and year		0,029
BAT-reference value, BAT 4		0,02-0,11
Excreted P_2O_5, kg/animal unit and year		0,07
BAT-reference value, BAT 4		0,05-0,25

Ammonia-N from stable	Deep litter
Nitrogen from animals	40 733
Nitrogen loss from stable	**2 444**
Ammonia loss from stable	2 968
Ammonia, kg/animal unit and year	**0,02**
BAT-limit value deep litter, BAT 32	0,01-0,08

Ammonia-N from storage	Deep litter
Nitrogen after sable	38 289
Nitrogen loss from storage	**3 829**
Ammonia loss from storage	4 649

Ammonia loss from stable + storage	
Ammonia-N	6 273
Ammonia	7 617

Comments

The production is well within the framework of BAT conclusions. The referens values for excreted nitrogen and phosphorus in BAT 3 and 4 are contained by a good margin. The ammonia loss from the stable is in the lower range of the limit value stated in BAT 32.