

Appendix 3: DPAG's Process-based Emission Factor

Process or Constituent	Emissions (lb/hd-yr) Viewpoint 1	Emissions (lb/hd-yr) Viewpoint 2	Emissions (lb/hd-yr) Viewpoint 3
1. Emissions from Cows and Feed in Environmental Chamber	2.7	3.4	4.3
2. Amines from dairy processes	0.2	0.2	11.0
3. VOCs (except VFAs and Amines) from miscellaneous dairy processes	1.2	1.2	1.2
4. VOCs (except VFAs and Amines) from lagoons and storage ponds	1.0	1.0	1.0
5. Volatile Fatty Acids (VFAs) (From dairy processes)	0.5	7.5	17.0
6. Phenols (From dairy processes)	0	0	2.6
7. Land Application	NA	NA	1.0
8. Feed storage, settling basins, composting, & manure disturbance	Included Above or Insignificant	NA	0.1
Total	5.6	13.3	38.2