

1. Record Nr.	UNINA9910456117703321
Titolo	Eighth Annual Symposium on Frontiers of Engineering [[electronic resource] /] / National Academy of Engineering of the National Academy
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2003
ISBN	1-280-20937-2 9786610209378 0-309-50431-7
Descrizione fisica	1 online resource (149 p.)
Disciplina	620
Soggetti	Engineering - Research - United States Engineering - Technological innovations - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Reports on leading-edge engineering from the 2002 NAE Symposium on Frontiers of Engineering"--Cover.
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910969853503321
Titolo	Air emissions from animal feeding operations : current knowledge, future needs / / Ad Hoc Committee on Air Emissions from Animal Feeding Operations, Committee on Animal Nutrition, Board on Agriculture and Natural Resources, Board on Environmental Studies and Toxicology, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2003
ISBN	9786610182879 9780309168649 0309168643 9781280182877 1280182873 9780309507585 0309507588
Edizione	[1st ed.]
Descrizione fisica	1 online resource (286 p.)
Disciplina	363.73920973
Soggetti	Animal feeding - Environmental aspects - United States Feedlots - Environmental aspects - United States Animal industry - Environmental aspects - United States Odors Air - Pollution - United States Agricultural pollution - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (176-193).
Nota di contenuto	""Front Matter""; ""Acknowledgments""; ""Preface""; ""Contents""; ""Tables, Figures, and Boxes""; ""Executive Summary""; ""1 Introduction""; ""2 Livestock Agriculture and Animal Feeding Operations""; ""3 Air Emissions""; ""4 Measuring Emissions""; ""5 Approaches for Estimating Emissions""; ""6 Government Regulations and Programs""; ""7 Improving Knowledge and Practices""; ""8 Conclusions""; ""References""; ""A Statement of Task""; ""B Acronyms

and Glossary"; "C Bioaerosols"; "D Nitrogen and Sulfur Contents of Animal Products and Live Animalsa€? Sample Excretion Predictions"  
"E Animal Units""F Ammonia Emissions from Manure Storage"; "G Regulatory Action Levels by Selected Atmospheric Pollutanta,b"; "H Regulatory Action Levels by Regulatory Requirement and Action Statusa,b"; "I Emission Factors for a Feed Mill or Grain Elevator"; "J Public Meeting Agendas"; "K Geographic Distribution of Livestock and Poultry Production in the United States for 1997"; "L Emission Factors in Published Literature"; "About the Authors"; "Board on Agriculture and Natural Resources Publications"

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## Sommario/riassunto

Air Emissions from Animal Feeding Operations: Current Knowledge, Future Needs discusses the need for the U.S. Environmental Protection Agency to implement a new method for estimating the amount of ammonia, nitrous oxide, methane, and other pollutants emitted from livestock and poultry farms, and for determining how these emissions are dispersed in the atmosphere. The committee calls for the EPA and the U.S. Department of Agriculture to establish a joint council to coordinate and oversee short - and long-term research to estimate emissions from animal feeding operations accurately and to develop mitigation strategies. Their recommendation was for the joint council to focus its efforts first on those pollutants that pose the greatest risk to the environment and public health.

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