





Air Compliance and Enforcement Priorities for Agriculture



Granta Y. Nakayama, Assistant Administrator
Office of Enforcement and Compliance
Assurance
Washington, D.C.




Air Emissions Concerns Presented by Agriculture

- Do Emissions From Ag Sources Matter?
 - What Is OECA Doing To Address Ag Air Concerns?
 - Where Do We Go From Here?
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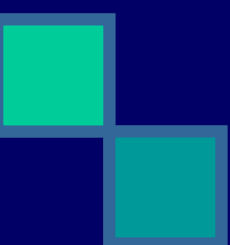



Do Air Emissions from Ag Sources Matter?

- Significant Emission Sources
 - CAFOs: Emissions of hydrogen sulfide, ammonia, VOCs & particulate matter (PM)
 - Ethanol & Sugar Beet Manufacturing: Emissions of VOCs and CO
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CAFO Air Emissions

- Shift to very large farms has increased:
 - Air emissions per farm - over 100 farms with over 50,000 hogs in 2005
 - Impacts on local communities
 - Increased emissions may trigger air permit or reporting requirements under CERCLA and EPCRA
 - Ag sources may:
 - Significantly impact air quality
 - Dairy emissions responsible for 12% of total reactive VOCs in San Joaquin Valley, and are the 3rd largest source
 - Raise potential public health issues (NH₃, H₂S, PM, and VOCs)
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Emissions from Ethanol & Sugar Beet Manufacturing

- Ethanol production has tripled in last 7 years
 - VOCs, which contribute to ozone, are the primary pollutant
 - Sugar Beet Industry includes 28 uncontrolled facilities
 - VOCs and CO, which combines with hemoglobin and displaces oxygen in the blood, are the primary pollutants
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What is OECA Doing to Address CAFO Air Concerns?

- Ag Compliance Assistance Center
 - Enforcement
 - Buckeye Eggs/Ohio Fresh Eggs
 - Premium Standard Farms/Continental Grain
 - Seaboard Foods, LP
 - Air Compliance Agreement
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Ohio Fresh Eggs – Formerly Buckeye Egg





Visible PM Emissions from Ohio Fresh Eggs






What is OECA Doing to Address Ethanol Industry Emissions?

- Settlements with 28 companies
 - Require installation of thermal oxidizers
 - VOC emissions reduced by 100,050 tpy. CO and SO₂ emissions also reduced
- Midwest Scaling Protocol was developed with industry and is less expensive, optional VOC estimation method




What is OECA Doing to Address Sugar Beet Industry Emissions?

- Enforcement focuses on dryer emissions, the major source of VOCs and CO
 - EPA has invited industry to help accurately characterize VOC emissions
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CERCLA and EPCRA

- Reporting Exemption ?

- Ag industry seeking an exemption from CERCLA/EPCRA hazardous release reporting requirements
 - Fall, 2007, FR Notice will be published outlining EPA preferred option, plus discussion of alternatives
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Where Do We Go From Here?

- Continue working cooperatively with ag industry
 - Air Compliance Agreement monitoring results will be posted on EPA website
 - Enhance Ag Compliance Assistance Center (will be called the “Agriculture” website)
 - EPA will take enforcement actions where needed
 - Other ideas?
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