From: Lynn Beasley
To: Charlotte Bertrand
Subject: Fw: emission calculators for animals
Date: 06/03/2011 01:37 PM
Attachments: [redacted]

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From: Lynn Beasley/DC/USEPA/US
To: Charlotte Bertrand/DC/USEPA/US@EPA
Date: 04/27/2011 10:36 AM
Subject: Fw: emission calculators for animals

Charlotte,

The links at the very bottom of the George's email message are to estimates of numbers of animals that trigger 100 pound RQ -

Here are my notes from that link: [redacted]

Here is OW's extraction of USDA Tables (my summary calculations on bottom of page 2 in pencil), including USDA 2007 Census Tables - where I was trying to reconcile with OW's extraction: [redacted]

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----- Forwarded by Lynn Beasley/DC/USEPA/US on 04/27/2011 10:31 AM -----

From: George Hess/R7/USEPA/US
To: beasley.lynn@epa.gov
Cc: Alison Davis/RTP/USEPA/US@EPA
Date: 02/11/2011 11:22 AM
Subject: Fw: emission calculators for animals

I have sent a little more time since the call yesterday and have updated the list I sent yesterday. Many of they point back to work done by University of Nebraska.

Nebraska

http://water.unl.edu/web/manure/emissions-rule

Iowa

http://www.extension.iastate.edu/airquality/cerclaepcra.html

Minnesota

http://www.extension.iastate.edu/airquality/cerclaepcra.html Appears based on Nebraska data

Michigan

http://www.animalagteam.msu.edu/AirQuality/EPCRAinformation/tabid/285/Default.aspx

Missouri

http://nmplanner.missouri.edu/regulations/CERCLA_EPCRA.asp

North Dakota Has several including National Cattlemen's Assoc

http://denr.sd.gov/des/gw/SARATitleIII/Emissions_from_Anima_Waste.aspx

Milk Producers

http://www.nmpf.org/washington_watch/environment/cercla-epcra Uses Nebraska method

http://www.enviroag.com/Home/EPCRA/TAD.pdf Based on Texas & Kansas State research

Poultry in KY

http://www.ca.uky.edu/poultryprofitability/Cheeps_and_Chirps/Update_on_Ammonia_emissions_reporting_requirements.pdf

http://japr.fass.org/cgi/reprint/14/3/635.pdf

Estimate of number of farms at 100 lb RQ/number of animals to equal 100 pounds

http://ohioline.osu.edu/aex-fact/pdf/0720.pdf (based on 2005 data)

http://www.manure.umn.edu/assets/AFOCompliance.pdf

http://nmplanner.missouri.edu/regulations/EPCRA-G-F-lagoon.html

http://ag.arizona.edu/ANS/swnmc/Proceedings/2006/Auvermann_SWNMC2006.pdf (beef based on KS state and Texas)