TO:	Local Emergency Planning Committee:	Method of Delivery and Tracking No.:
	State Emergency Response Commission:	Method of Delivery and Tracking No.:
FROM:		
RE:	Continuous Release Report	

Dear Sir or Madam:

This continuous release report is submitted pursuant to 40 CFR 355.32 and the final rule published on December 18, 2008, 73 Fed. Reg. 76948 (EPA Final Rule). This final rule exempted our facility from reporting hazardous substance releases under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), but did not provide such an exemption for reporting under the Emergency Planning and Community Right to Know Act of 1986 (EPCRA). The attached reporting information reflects our good faith estimate of ammonia and hydrogen sulfide emissions from our operations, in accordance with the EPA Final Rule.

While we do not believe that agricultural operations such as ours are required to report ammonia and hydrogen sulfide emissions from the decidedly naturally occurring processes of swine urination, defecation and flatulence under either CERCLA or EPCRA, we are nonetheless filing the enclosed report under EPCRA given the uncertainty created by the EPA Final Rule over whether EPA believes that we have a legal obligation to report these naturally occurring releases which happen during routine agricultural operations. The EPA Final Rule pointedly noted that it was not "defining facility, normal application of fertilizer, or routine agricultural operations", 73 Fed. Reg. at 76951, and yet each of these definitions is key to a determination of whether we have a legal obligation to report these releases under either CERCLA or EPCRA.

In the past, we have relied on legal analyses concluding that we do not have an obligation to report these releases under either CERCLA or EPCRA because of the various exemptions and exceptions for naturally occurring substances, normal application of fertilizers and pesticides, and routine agricultural operations, as well as the intended focus of the statutes and the protections contained in the statutes and legislative history for agricultural operations suggesting that Congress never intended that emissions from swine defecation, urination and flatulence be required to be reported in the same manner as man-made chemical accidents, spills and releases. Since the publication of the EPA Final Rule and the uncertainty it created over whether we are required to report ammonia and hydrogen sulfide emissions from swine operations, we have assembled available data to make our good faith estimates of these emissions for the purposes of making the attached continuous release reports.

Thank you.

Swine Operation – Continuous Release Report Emergency Planning and Community Right-to-Know Act (EPCRA)

- · Complete and sign this form.
- Call the Local Emergency Planning Committee (LEPC) and State Emergency Response Commission (SERC).
- Mail this one-page form to the LEPC and SERC (certified mail—return receipt or other verifiable means).

SECTION 1. LO	CATION	SECTION	2. INITIAL PHONE	REPORTS	
Swine Farm name:		LEPC I	Location:		
Person in charge:		Person co	ontacted:		
Physical address:			Date:		
Mailing address:		S	ignature:		
City:					
State:		SERC L	_ocation:		
Zip:		Person co	ontacted:		
Office phone:			Date:		
Cell phone:		S	ignature:		
Latitude:					
Longitude:		Dun and E Number, i	Bradstreet f available:		
SECTION 3 SOLL	RCE AND RELEASE DESCRIPT	ION			
Description:	This location is a swine production		ntained and fod for mor	at production. This	
Doodhpilon.	report is being submitted in resport effective January 20, 2009. Ammo cattle digestive process and decor	nse to a clarification on onia emissions are nat	f EPCRA provided by E	PA in a final rule	
Type of release:	□ Air	He	ealth effects: No	ne	
Time & duration:	☐ Continuous, low level	-	Precautions: N	one	
Population Density	□ 0-50 persons □ 101-	500 persons	greater than 1,000 p	ersons	
(within 1 mi. radius):	□ 51-100 persons □ 501	-1,000 persons	☐ Other:		
Sensitive population or ecosystems (within 1 mi. radius):	Retirement community:		Hospital: Wetland:		
SECTION 4. SUB	STANCES CONTINUOUSLY RE	LEASED (ESTIMA	TES)		
	Chemical name	CASRN#	Lower Bound (pounds/day)	Upper Bound (pounds/day)	
Substance No. 1:	☐ Ammonia (NH ₃)*	7664-41-7			
Substance No. 2:	☐ Hydrogen Sulfide (H ₂ S)* 7783-06				
studies. Research is on-g	nd hydrogen sulfide emission rates are based joing. The estimated total annual amount relea evels multiplied by 365 days, or (2) the averag	ased last year could be esti	mated as: (1) a range repres	ented by the daily lower	
SECTION 5. SIGN	IED STATEMENT				
(Dec. 18, 2008). To the b	e releases described above are continuous an est of my knowledge, I certify that all informati fic information. I reserve the right to raise any	on submitted in this report	is a good faith estimate of air	emissions based on	
		1	Title:		
Name (printed):		Title:			

Revision date: January 13, 2009

Calculation Worksheet – Ammonia and Hydrogen Sulfide Emissions

Swine Operations – Confinement with liquid manure management systems KEEP THIS WORKSHEET FOR YOUR RECORDS-DO NOT SUBMIT WITH YOUR REPORT

The final rule on EPCRA reporting issued by EPA on December 18, 2008 and effective January 20, 2009 requires reporting of ammonia and hydrogen sulfide emissions **if** the swine facility has 2500 or more swine over 55 pounds, or 10,000 swine under 55 pounds; **and** the ammonia exceeds 100 lbs/day **or** the hydrogen sulfide exceeds 100 lbs/day. If the ammonia or hydrogen sulfide is less than 100 lbs/day, enter "N/A" in the appropriate cell in the reporting form.

Swine Facility	y Name:		 	Date:	

The emissions estimates are derived from research reported by:

Gay, S.W., D.R. Schmidt, C.J. Clanton, K.A. Janni, L.D. Jacobson, S. Weisberg. 2003. Odor, Total Reduced Sulfur and Ammonia Emissions from Animal Housing Facilities and Manure Storage Units in Minnesota. Applied Engineering in Agriculture, 19(3) 347-360, ASABE, St. Joseph, MI.

and:

Jacobson, L.D., A.J. Heber, S.J. Hoff, Y. Zhang, D.B. Beasley, J.A. Koziel, and B.P. Hetchler. 2006. Aerial Pollutants Emissions from Confined Animal Buildings. Summary report, Ag Air Workshop, USDA-IFAFS research and demonstration program.

These values are a good faith estimate of emissions from swine operations using typical confinement housing and manure storages and located in a temperate climate.

AMMONIA (NH3) EMISSIONS ESTIMATE

Enter your head count and multiply times the appropriate Emission Rate (from Table 1) to equal the emission estimate for the facility.

AMMONIA (NH3) EMISSIONS ESTIMATE		
Lawrent Hand Count	Lower Bound NH ₃ Emission	NH ₃ Lower Bound
Lowest Head Count	Rate (pounds/hd/day)	(pounds/day)
NH ₃ Lower Bound =	X	=
	Upper Bound NH₃ Emission	NH₃ Upper Bound
Permitted Head Count	Rate (pounds/hd/day)	(pounds/day)
NH ₃ Upper Bound =	Х	=

Hydrogen Sulfide (H 2S) EMISSIONS ESTIMATE

Enter your head count and multiply times the Emission Rate (from Table 1) to equal the emission estimate.

Hydrogen Sulfide (H ₂ S) EMISSIONS ESTIMATE		
Lowest Head Count	H ₂ S Emission Rate (pounds/hd/day)	H ₂ S Lower Bound (pounds/day)
H ₂ S Lower Bound =	Х	=
Permitted Head Count	H ₂ S Emission Rate (pounds/hd/day)	H ₂ S Upper Bound (pounds/day)
H ₂ S Upper Bound =	Х	=

Table 1. Swine facility per-animal emission constants. Liquid Manure Systems. Housing and manure storage estimates are combined.

Management group	Pull-plug, scra	Pull-plug, scrape, flush, shallow pit		Deep Pit	
	Upper bound	Lower bound	Upper bound	Lower bound	
Breeding & gestation	NH ₃ 0.098	NH ₃ 0.0098	NH ₃ 0.052	NH ₃ 0.0052	
	H ₂ S 0.016	H ₂ S 0.0016	H ₂ S 0.0085	H ₂ S 0.00085	
Farrowing	NH ₃ 0.16	NH ₃ 0.016	NH ₃ 0.022	NH ₃ 0.0022	
	H ₂ S 0.030	H ₂ S 0.0030	H ₂ S 0.0028	H ₂ S 0.00028	
Nursery	NH ₃ 0.019	NH ₃ 0.0019	NH ₃ 0.0046	NH ₃ 0.00046	
	H ₂ S 0.0043	H ₂ S 0.00043	H ₂ S 0.0020	H ₂ S 0.00020	
Grow-finishing	NH ₃ 0.055	NH ₃ 0.0055	NH ₃ 0.037	NH ₃ 0.0037	
	H ₂ S 0.0104	H ₂ S 0.00104	H ₂ S 0.0080	H ₂ S 0.00080	

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