SOUTH DAKOTA ODOR FOOTPRINT TOOL

Procedure to use SDOFT:

- 1 Select South Dakota County from drop down list where site is located.
- 2 Select Odor Source Type from drop down list for each odor source at the site.
- 3 Select housing or manure storage type from drop down list for each odor source at the site.
- 4 Enter size (width and length) of emitting surface for each odor source at the site.
- 5 Enter odor control technology if any from drop down list for each odor source at the site.
- 6 View annoyance-free distances at bottom of page (scroll down).
- 7 Select the annoyance-free curves to be graphed by checking the square on the left bottom of this page.

	County of Site	Hand]					
		Source 1	Source 2	Source 3	Source 4	Source 5		
	Source Type	Swine Barn	Swine Barn	Swine Barn	Swine Barn	Swine Barn		
	Housing Type or	Gestation - Deep						
	Manure Storage	Pit	Finishing - Deep Pit	Farrowing	Finishing - Deep Pit	Finishing - Deep Pit		
	Emitting Factor	243	165	68	165	165		
Emitting Surface								
	Width (ft)	171.83	79	178.5	0	0		
	Length (ft)	665	313.42	426	0	0		
	Emitting Area (sq ft)	114266.95	24760.18	76041	0	0		
	Odor Control Technolo	A No Odor Control	A No Odor Control	A No Odor Control	A No Odor Control	A No Odor Control		
	Odor Control Factor	1	1	1	1	1		
	Source Emitting Factor	2777	409	517	0	0		
			3702					

SETBA	SETBACK DISTANCES FROM ODOR SOURCE AT VARIOUS ODOR ANNOYANCE-FREE FREQUENCIES IN FEET									
Direction from source	99% Annoyance-free	98% Annoyance-free	97% Annoyance-free	96% Annoyance-free	94% Annoyance-free	91% Annoyance-free				
Northeast	9914	5001	3398	2296	1141	649				
Southeast	10514	6335	5097	4328	3257	2050				
Southwest	10939	6443	4812	3784	2517	1363				
Northwest	14310	8890	7046	5990	4716	3573				

