ESTIMATING SETBACK DISTANCES USING THE ODOR FOOTPRINT TOOL

Worksheet for Calculating Separation Distances for a Particular Animal Production Site

Project description: _____ Location: _____

_____ Region: _____

GENERAL INFORMATION FOR BASE PLAN						INFORMATION FOR ODOR CONTROL OPTION		
Column A	**Column B**	**Column C**	**Column D**	**Column E**	**Column F**	**Column G**	**Column H**	**Column I**
Source Facility *Describe*	Plan Dimensions (e.g. ft x ft) *List*	Plan Area (sq. ft.) *Calculate*	Odor Emission Number ($OU/s \cdot ft^2$) *Tables 1 & 2*	Odor Control Factor *Table 3*	Scaled Odor Emission Rate ($x\ 10^6$ OU/s) *C x D x E ÷ 1,000,000*	Odor Control Practice Being Considered *Describe*	Odor Control Factor *Table 3*	Scaled Odor Emission Rate ($x\ 10^6$ OU/s) *F x H*
1)								
2)								
3)								
4)								
5)								
Total scaled odor emission rate = *Sum of values in Column F*						Total scaled odor emission rate = *Sum of values in Column I*		

Annoyance-Free Percentage *Circle value chosen by you or by community* 90 94 96 98 99 %	Directional Setback Distances (miles or fraction thereof) *Locate using set of setback curves for region*				Directional Setback Distances (miles or fraction thereof) *Locate using set of setback curves for region*			
	North / NE	East / SE	South / SW	West / NW	N / NE	E / SE	S / SW	W / NW
Base separation distance *Read off of regional curves*								
Applicable terrain factor *From Table 4*								
Adjusted separation distance *Base distance x Terrain factor*								