

APPENDIX A
Animal Units Calculations

"Animal unit" is a term defined by the regulations and varies according to animal type; one animal is not always equal to one animal unit. Conversion to animal units is a procedure used to determine pollution equivalents among the different animal types; dairy cows produce more waste than sheep. This calculation is used on facilities with more than one animal type onsite.

The number of animal units is calculated as follows:

- number of slaughter and feeder cattle multiplied by 1.0, plus,
- number of mature dairy cattle multiplied by 1.4, plus,
- number of dairy heifers cattle multiplied by 1.0, plus,
- number of swine weighing over 55 pounds multiplied by 0.4, plus,
- number of sheep multiplied by 0.1, plus,
- number of horses multiplied by 2.0.

Example 1: Determine the number of animal units on a dairy operation which maintains 650 mature dairy cows and 300 dairy heifers.

$$[(\# \text{ mature cows})(1.4) + (\# \text{ heifers})(1.0)] = \text{animal units}$$
$$[(650 \times 1.4) + (300 \times 1.0)] = 1210 \text{ animal units.}$$

Such a facility exceeds the 1000 animal units as established in Part I.C.4. of this permit, thus this facility is a CAFO and is subject to NPDES requirements.

Example 2: Determine the number of animal units on a feeding operation which maintains 650 slaughter cattle, 100 horses, and 1000 sheep.

$[(650 \times 1.0) + (100 \times 2) + (1000 \times 0.1)] = 950 \text{ animal units.}$ This facility does not exceed the 1000 animal units required to be a CAFO in Part I.C.4. of this permit. However, it can be classified as a CAFO under Part I.C.5. of this permit if pollutants are discharged through a man-made conveyance or if pollutants are discharged directly to waters of the U.S. If this situation occurs, discharges are subject to NPDES requirements.

APPENDIX B
Significant Contributor of Pollutants

Definition:

"Significant Contributor of Pollutants" (SCP) is a designation of an animal feeding operation made by the Director on a case-by-case basis. The purpose of this designation is to regulate animal feeding operations that are not automatically classified as CAFOs in Part I.C. of the permit and have the potential of causing environmental harm.

Designation Procedure:

- SCP determinations can only be conducted after an onsite inspection.
- The following factors are considered when making an SCP determination:
 - a. The size of the animal feeding operation and the amount of wastes reaching waters of the United States,
 - b. The location of the animal feeding operation relative to waters of the United States,
 - c. The means of conveyance of animal wastes and process wastewater to waters of the United States,
 - d. The slope, vegetation, rainfall, and other factors affecting the likelihood or frequency of discharge of animal wastes and process wastewater into waters of the United States, and
 - e. Other relevant factors.
- An animal feeding operation is a CAFO upon notification by the Director.

APPENDIX C

Notice of Intent (Application) Information Requirements

The Application to be covered by this permit shall include the following:

2. Previous NPDES permit number if applicable,
3. Facility owner's name, address and telephone number,
4. Facility operator's name, address and telephone number,
5. Types of waste handling practices currently used for processing wastes (such as containment in a waste storage pond plus land application),
6. Name of receiving water(s) to which wastewaters are (or may be) discharged from the facility (receiving waters include canals, laterals, rivers, streams, etc.),
7. The type and number of animals confined, and
8. A sketch of the operation, including control facilities, diversion ditches, building structures, feeding areas, slope, direction of overland and surface water flow, and proximity to surface waters.