



# FACT SHEET

## Office of Wastewater Management

### *NPDES Regulations Governing Management Of Concentrated Swine Feeding Operations*

#### NPDES and how it affects the maintenance and operation of concentrated swine feeding operations.

NPDES stands for EPA's National Pollutant Discharge Elimination System. The NPDES program provides a system for regulating the discharge of pollutants from "point" (or discreet) sources into the waters of the United States by allowing discharges only under certain conditions specified by the permit. The NPDES program was established under the Amendments to the Clean Water Act (CWA) of 1972. Section 502 of the Act defined "concentrated animal feeding operations" (CAFOs) as point sources subject to regulation under the Act. As a result, NPDES regulations were written and published in 1976 defining CAFOs and the conditions under which they are required to obtain an NPDES permit.

#### What are swine CAFOs and how are they defined?

Basically, CAFOs are animal feeding operations (AFO) that meet or exceed numbers of animals (according to species) established for animal feeding operations. A facility is considered to be an animal feeding operation if it stables, confines, feeds, or maintains animals for a total of 45 days or more in any 12-month period, and does not sustain crops, vegetation, forage growth, or post-harvested residues in the normal growing season over any portion of the facility. Swine feeding operations are considered to be CAFOs if they meet these two criteria and, in addition, house more than 2,500 swine, each weighing over 25 kilograms (55 pounds).

Smaller swine feeding operations are also considered to be CAFOs if they contain more than 750 swine, each weighing over 25 kilograms (55 pounds) AND discharge their wastes into waters of the U.S. through man-made ditches, flushing systems, or similar devices, OR discharge their wastes directly into U.S. waters that originate outside the facility and pass over, across, around, or through the facility, or otherwise come into contact with the animals confined. Areas of the CAFO may include watering systems; washing, cleaning, or flushing pens, and manure stacks or pits. Areas where dust is produced are included because the dust may be composed of particles of manure, litter, or bedding and feedstuffs.

Two operations with the same owner are considered one operation if they share a common border or have a common waste disposal system (wastes are commingled prior to discharge).

#### Why are some swine feeding operations considered CAFOs, even though they are partially sheltered or temporarily housed?

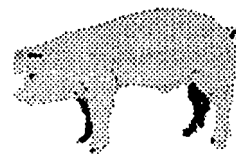
A totally enclosed facility with no discharge of wastes to U.S. waters is not a CAFO. However, a partially-sheltered facility IS a CAFO if it meets the size (number of swine) and discharge criteria of the NPDES regulations, or if it has been designated a CAFO on a case-by-case basis by the permitting authority. In partially sheltered operations, the number of animals maintained at the facility for 45 days or more is the combined number of animals in open and sheltered areas of the facility. The entire operation is considered one unit, and all the animals are counted for the purposes of CAFO classification.

Livestock marketing operations also may be subject to these CAFO requirements. Auction houses and transfer facilities that meet the regulatory definition of a CAFO must have NPDES permits if they discharge wastewater to U.S. waters.

For example, a livestock market where 2,700 mature swine (each over 55 pounds) are maintained for four days per month, or 48 days in each 12-month period, is considered a CAFO.

#### Why the sudden concern for swine CAFOs?

Concern over CAFOs is not new; degradation of ground and surface waters from nitrogen, phosphorus, and pathogens has increased over the years, and has renewed interests from the swine industry, the public, and regulatory agencies as well. EPA's NPDES program provides a means of addressing the problem by regulating the discharge of pollutants from swine CAFOs by permit. Page 2 lists some sources of information you can obtain to help you understand and interpret the NPDES regulations for swine CAFOs.



**Information from the Code of Federal Regulations and citations in the FEDERAL REGISTER can help you understand the NPDES regulations applicable to CAFOs:**

- *Criteria for Determining a Concentrated Animal Feeding Operation, 40 CFR Section 122, Appendix B (1992);*
- *Concentrated Animal Feeding Operations, 40 CFR Section 122.23 (1992);*
- *EPA Effluent Guidelines and Standards for Feedlots, 40 CFR 412 (Revised through July 1, 1991);*
- *National Pollutant Discharge Elimination System and State Program Elements Necessary for Participation: Concentrated Animal Feeding Operations, 40 CFR 54182 (Nov. 20, 1975);*
- *State Program Elements Necessary for Participation in the National Pollutant Discharge Elimination System: Concentrated Animal Feeding Operations, 41 FR 11458 (Mar. 18, 1976);*
- *National Pollutant Discharge Elimination System General Permit Requirements for Discharges from Concentrated Animal Feeding Operations (Region 6 Final Notice), 58 FR 7610 (Feb. 8, 1993).*

In addition to these publications, don't forget to request EPA's *Guidance Manual on NPDES Regulations for Concentrated Animal Feeding Operations* (EPA 833-B-95-001: December, 1995), and EPA's other new Factsheets on general application of NPDES regulations to CAFOs, as well as species-specific Factsheets for other animal industries.

**Where Can I Go For More Information?**

Additional information on NPDES regulations affecting CAFOs can be obtained by contacting the Permits Branch in your nearest EPA Regional Office:

EPA Region I (CT, MA, ME, NH, RI, VT)  
JFK Federal Building, Boston, MA 02203  
(617) 565-4940

EPA Region II (NJ, NY, PR, VI)  
26 Federal Plaza, New York, NY 10278  
(212) 264-9894

EPA Region III (DC, DE, MD, PA, VA, WV)  
841 Chestnut Building, Philadelphia, PA 19107  
(215) 597-9078

EPA Region IV (AL, FL, GA, KY, MS, NC, SC, TN)  
345 Courtland Street, NE, Atlanta, GA 30365  
(404) 347-2019

EPA Region V (IL, IN, MI, OH, MN, WI)  
230 West Jackson Blvd., Chicago, IL 60604-3507  
(312) 353-2079

EPA Region VI (AR, LA, OK, NM, TX)  
1445 Ross Avenue, Dallas, TX 75202  
(214) 655-7171

EPA Region VII (IA, KS, MO, NE)  
726 Minnesota Avenue, Kansas City, KS 66101  
(913) 551-7034

EPA Region VIII (CO, MT, ND, SD, UT, WY)  
999 18th Street, Denver, CO 80202-2413  
(303) 293-1623

EPA Region IX (AS, AZ, CA, HI, GU, NV)  
75 Hawthorne Street, San Francisco, CA 94105  
(415) 744-1877

EPA Region X (AK, ID, OR, WA)  
1200 Sixth Avenue, Seattle, WA 98101  
(206) 553-1728

**FOR MORE INFORMATION, CONTACT:**

**Permitting:**

Office of Wastewater Management  
Permits Division (4203)  
U.S. EPA  
401 M Street, SW  
Washington, DC 20460  
(202) 260-9537/FAX (202) 260-1460

**Nonpoint Source:**

Office of Wetlands, Oceans  
and Watersheds  
U.S. EPA  
Fairchild Bldg.  
499 South Capitol Street, SW  
Washington, DC 20024  
(202) 260-7040/FAX (202) 260-7024

**Compliance/Enforcement**

Office of Enforcement and  
Compliance Assurance  
U.S. EPA  
Ariel Rios Bldg.  
1200 Pennsylvania Ave., NW  
Washington, DC 20044  
(202) 564-2280/FAX (202) 564-0028