Unapproved Operation or Construction
Five (5) sites which should have had an approval were unapproved or were constructed without an approval. At only 1 of these sites was this the only violation noted.

Operation Size
Twelve (12) violations were at sites which had 1000 animal units or greater. Twenty-four (24) violations were at sites with animal numbers above those requiring an Indiana approval but less than 1000 animal units. The remaining 32 violations were at sites which had less than the animal numbers requiring an approval in Indiana.

Inspection Break Down

Animal Type
The sites inspected can be broken down by animal type as follows: hog (399), dairy (26), chicken (21), veal (18), cattle (8), turkey (7), ducks (6), horses (4), multiple animal types (22).

The violations requiring a Letter of Warning or referral to the Office of Enforcement can be broken down by animal type as follows: hog (33), dairy (12), chicken (5), veal (3), turkey (4), cattle (1), ducks (4), horses (2), multiple animal types (4).

The closed sites included: hog (96), dairy (2), chicken (11), veal (3), cattle (9), multiple animal types (2).

Approval Status
The sites inspected can be broken down as follows: approved (441); not required to have an approval based on operation size (65); required to have an approval based on operation size, but unapproved (5).

Information

For further information please contact Mr. Aaron Lauster, Solid Waste Compliance Section, by calling (800) 451-6027 press "0" and ask for Mr. Aaron Lauster or dial him direct at (317) 232-8900.

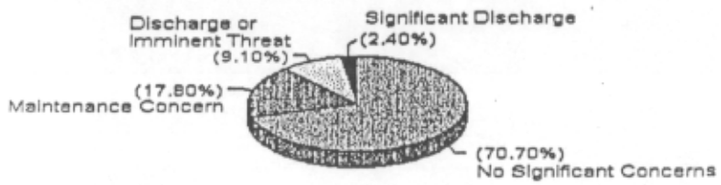
1998 Annual Summary Confined Feeding Inspection Program

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

1998 Confined Feeding Inspections

During 1998 a total of 634 sites were inspected by the Solid Waste Compliance Branch based on existing statutes and approval requirements. One hundred and twenty-three (123) of these sites were identified as closed or never built. A total of 591 inspections were performed at the remaining 511 sites. Inspections were initiated by 3 different mechanisms: complaint or spill calls, routine, and follow-up inspections. The Compliance Branch received 99 complaint or spill calls during 1998. For routine inspections in 1998, the agency concentrated primarily on large operations with lagoons and the Wildcat Creek watershed. Sixty-three (63) follow-up inspections were conducted based on the result of first inspections. Please note some sites were inspected multiple times due to complaint and follow-up inspections.

1998 Inspection Results



Inspection Results

70.7% of the inspections conducted revealed no violations, but recommendations for improvements may have been made.

17.8% of the inspections conducted revealed maintenance concerns which, if left unaddressed, could create a potential for discharge to waters of the State. Common problems observed include inadequate freeboard in the manure storage structure and erosion or animal damage to manure storage structures which did not yet create an immediate concern of failure.

9.1% of the inspections conducted revealed discharges or imminent threats of discharges to waters of the State resulting in Letters of Warning being issued. Common problems observed include no freeboard in manure storage structures, run-off from land application activities, and equipment or structural failure.

2.4% of the inspections conducted revealed significant and/or repeated discharges to waters of the State or failure to adequately address problems reported in Letters of Warnings. These inspections resulted in a referral to the Office of Enforcement. Intentional, repeat, or egregious discharges were observed during these inspections.

Spill Response

Fifty-eight (58) spill responses were made relating to animal waste in 1998. Fifty (50) of these incidents resulted in the issuance of a Letters of Warning or referral to the Office of Enforcement. Three (3) incidents had confirmed animal waste but the source could not be determined. Five (5) incidents resulted in no further compliance action.

Violations

Sixty-eight (68) violations required a Letter of Warning or referral to the Office of Enforcement. A site may have had more than one significant issue. The following is a breakdown of the significant issues involved:

Spills

Fifty (50) incidents were classified as spills in accordance with 327 IAC 2-6.1. Forty-seven (47) of these incidents had some form of discharge to a water of the State and 3 incidents crossed property lines but did not enter waters of the State.

The primary cause of the spills were as follows: lagoons (15), land application (10), open floor & feedlots (10), manure handling systems (10), staging/stockpiling (3), Other (2).

Lagoons

Twenty-five (25) violations involved lagoons. The primary causes were: overflow (19); no freeboard (4); extreme lagoon damage (1); and equipment failure causing overflow (1).

Land Application

Seventeen (17) violations involved land application or staging/stockpiling for land application.

Land application involving discharges were a result of: application to frozen ground (1); insufficient setbacks to water body (2); insufficient setbacks from surface inlet (2); spray irrigation over application (3); spray application equipment failure (2); and spray application off property boundary (1).

Circumstances in which staging/stockpiling in the field resulted in discharges or imminent threat of discharge included: no run-off control (4); insufficient setback from water body(2); and stockpiling in the flood plain (1).

Management Systems

Thirty-two (32) violations involved problems with systems for manure or manure contaminated liquid management. The following were the primary causes of violations: man-made point source discharge (6); open floor run-off (6); concentrated feedlot run-off (5); manure transfer equipment failure (2); pit overflow or poor maintenance resulting in run-off (3); on site stockpile run-off (2); silage run-off resulting in a fish kill (1); or dead animal run-off (1).