Every farm, regardless of size, that handles animal waste must be prepared to manage a manure-handling emergency. Manure-handling emergencies usually involve a discharge or spill of manure and therefore they pose a threat to human and environmental health. While prevention is the best strategy to reduce the risk of this type of emergency, not all manure spills can be prevented; therefore, a written emergency action plan must be developed for every farm. An emergency action plan is implemented in the event of a manure discharge or spill. The plan addresses the following areas: eliminating the source, confining the spill or runoff to as small an area as possible, assessing and recognizing the problem, notifying the proper authorities, and cleaning up the spill or runoff.

Each farm should identify all locations where system failure may occur, and how serious a problem it may present. This part of the emergency action plan involves determining possible solutions for anticipated emergencies. It must address ways to eliminate or stop the source of the spill or runoff. This pre-planning strategy will also serve as an educational tool for the employees. All employees, even those not directly responsible for animal waste equipment, should be familiar with the manure handling system. For example, they should know the location of all valves, how they function and how to turn them off.

Methods to confine the spill or runoff to as small of an area as possible must also be included in an emergency action plan. Containing liquid manure or runoff will likely require creating temporary diversions, digging holes or using soil to form emergency dikes. Incorporation of the manure into the soil surface will also reduce runoff from a field. To confine spills quickly, equipment must be available for immediate assistance. Operations that do not have a bulldozer, backhoe or tillage equipment should include a list of equipment owned by those who have agreed to assist in an emergency. In addition, other equipment that should be available includes: a liquid manure tanker truck, a vacuum tanker, a manure pump, manure irrigation equipment and inflatable tile plugs.

After any manure spill or runoff occurs, a process to assess and identify the problems must be followed. Most emergency action plans contain a list of questions to be answered. The following are suggested questions to consider: Did the manure reach any surface waters? Approximately how much manure was released and for what duration? Was there any damage noted, such as employee injury, fish kills, or property damage? Did the spill leave the farm property? Does the spill have the potential to reach surface waters? Have potable water wells been threatened? The written responses to these questions should be kept...
for future reference and emergency response training.

Notification of the proper agencies and local authorities must be done in a timely manner. If the spill leaves the property or enters surface waters, call local EMS officials. Agencies that will be able to provide advice and technical assistance include: local Soil and Water Conservation Districts, local Natural Resources Conservation Districts and the Cooperative Extension Service. Information to provide when calling agencies include: your name, telephone number, nature of the emergency, location of the spill including address and site description, the direction of spill movement, the immediate perceived impact, and any control action implemented.

Clean up efforts in manure spills or runoff should be documented and kept with the emergency action plan for future use. Written documentation should include the cause of the emergency, the procedure used to handle the emergency, a list of authorities that were called and those that responded, and the time it took for authorities to respond. The state water quality agency or other technical assistance agencies may provide advice on handling the clean up of the manure emergency.

In summary, emergency action plans are a valuable tool for farms that handle animal waste. The plan serves many functions such as identifying potential risks, identifying resources required to control a manure-handling emergency and identifying available resources.

References:


Example Emergency Action Plan

Farm Name: ___________________________________

Location: ___________________________________

Phone Number: ___________________________________

In Case of a Manure Spill Emergency

1) Eliminate Source
2) Contain Spill
3) Notify
4) Clean-up

Contact Agencies and Information

Call 911 and provide them with the following:
⇒ Your Name
⇒ Address and Phone Number
⇒ Exact location of the incident
⇒ Description of the emergency
⇒ Estimates of the amounts, area covered and the distance the manure traveled
⇒ Whether manure has reached ditches, waterways or streams
⇒ Are there any injuries to people, fish kills or property damage?
⇒ What is being done and the assistance needed

Call the appropriate Environmental Agency. Phone: __________________

In New York State contact the New York State Department of Environmental Conservation Hazardous Material Spill Response Team to report the manure spill.

Contact the local:
   Soil and Water Conservation District. Phone: _________________
   Cooperative Extension Service. Phone: _________________
   Local Highway Department. Phone: _________________

Equipment operators and farmers who have agreed to assist in an emergency:

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<th>Name</th>
<th>Equipment Available</th>
<th>Daytime Phone</th>
<th>Evening Phone</th>
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