

## Pesticide Handling and Discharge Response Plans

A written pesticide handling and discharge response plan is required of all certified applicators who conduct operational area activities. The written handling and discharge response plan must be kept current and available for use.

The plan must contain a description of methods and procedures to be used for:

- handling of pesticides;
- inspection of equipment;
- rinsing, washing, or cleaning of equipment and containers;
- transfer, handling, storage, and disposal of rinsates.

And include the identity and telephone numbers of emergency contacts.

Applicators are required to train employees, and those persons covered by the plan, regarding the plan contents on a annual basis.

## Recovery, Storage and Use of Discharges

All discharges must be promptly recovered. Recovered discharges must be stored within containment if stored in tanks larger than 300 gallons for more than 14 consecutive days. Recovered material may be used in accordance with the product label. Following recovery of spills outside containment area, samples must be taken and documentation of complete recovery submitted to the department within 30 days.

## Reporting of Spills

Spills in excess of 25 pounds active ingredient which occur outside of containment must be reported to the department.

## Operational Area Containment Registration

Operational area containment systems must be registered with the department. An application form, plans, and specifications must be submitted.

## Backflow Prevention

Connections to potable water supplies must be protected from backflow by an air gap separation or a reduced pressure principle device.

## Where to get information

The South Dakota Department of Agriculture has developed example construction diagrams. To obtain these materials, application forms, copies of the rules or other information contact:



South Dakota Department of Agriculture  
Division of Agricultural Services  
Office of Agronomy Services

523 E Capitol Ave  
Foss Building, 3rd Floor  
Pierre, SD 57501

Phone: 605-773-4432  
Fax: 605-773-3481  
E-mail: [sddaagronomy@state.sd.us](mailto:sddaagronomy@state.sd.us)  
Web: [http://sdda.sd.gov/Ag\\_Services/](http://sdda.sd.gov/Ag_Services/)

South Dakota Department of Agriculture  
Division of Agricultural Services  
Office of Agronomy Services

# Pesticide Operational Area Containment Rules



Outdoor Operational Area Containment for Aircraft.

# Pesticide Operational Area Containment

## Benefits of Containment

Operational area containment is a method of preventing pesticides spilled during handling from adversely impacting human health and the environment. Using containment may also reduce your financial liability when spills occur by preventing the need for environmental cleanup costs.

Containment systems, impervious pads either sloped or within walls, are designed to prevent the escape of spilled product or rinsates into the environment. Use of containment may also make your operations more efficient by offering equipment cleaning facilities on site rather than cleaning in the field.

These systems are your safety net against financial liability by preventing your pesticide operational area from becoming contaminated. While management of your operational area will require greater attention and professionalism, it can provide peace of mind when potentially harmful products are handled.

It protects the health of yourself, family, employees, the public, and the environment and may spare you the catastrophic expense of time and money involved in the clean-up of a contaminated operational area.



Indoor Operational Area Containment

## When is Operational Area Containment required?

Operational area containment is required of any person as specified in ARSD 12:56:17.

If you meet any one of the following criteria you need to conduct your pesticide handling activities over operational area containment.

- The operational area is within 150 feet of a lake, stream, streambed, or wetland;
- The operational area is within 150 feet of a well;
- The operational area is within 200 feet of populated buildings, either commercial or residential premises, excluding the operator's own buildings (\*);
- The operational area is within 500 feet of a well used as a public water supply (\*);
- The operational area is the applicator's principal operational area (where the majority of the applicator's operational activities occur)
  - ◆ **AND** more than a total of 1,500 pounds of pesticide active ingredients are transferred, loaded, unloaded, mixed, repackaged, or refilled during a calendar year
  - ◆ **OR** either concentrate **OR** diluted pesticides are cleaned, washed, or rinsed from containers or from application, handling, storage, or transportation equipment for over 30 days accumulated during a calendar year. (\*\*)(\*\*\*)

(\*) Does not apply to mixing & loading operations conducted by applicators using containers and equipment with holding capacities of 10 gallons or less **OR** 50 pounds net dry weight or less.

(\*\*) When calculating to determine if the 1,500 pound or 30 day threshold has been exceeded, operational areas under common ownership & control and within one-half mile of each other are calculated collectively.

(\*\*\*) Except for wood preserving operational areas, does not apply to operational areas within or immediately adjacent to each pesticide application site.

## Operational Area Containment Requirements

Those operational areas that are required to be contained must meet the following requirements:

- Operational areas activities must be carried out on an impervious surface constructed in accordance with professional engineering practices in a manner that prevents escape of discharges;
- The containment may be constructed of concrete or materials of sufficient strength or thickness. All seams or cracks must be sealed;
- For liquid pesticides containment must be large enough to contain discharges from the largest container transferred or rinsed. The containment must be curbed or sloped;
- For dry pesticides there is not a specific capacity requirement but the containment must be constructed to effectively contain potential discharges;
- Discharges or other accumulated material must be promptly recovered. Materials recovered may be used for their intended purpose or disposed of in accordance with ARSD 12:56:02.



Portable Operational Area Containment