

Environmental Incident Response Plan Farm A

Table of Contents

Environmental Incident Response Plan Summary

Contacts

Incident Response Procedures:

 Personal Injury / Fire Emergency

 Accidental Entry to Manure Storage or Transfer Facilities

 Manure Storage Overflow

 Manure Storage Failure

 Manure Spill During Transport or Application

 Movement of Manure During or After Application

 Catastrophic Mortality Disposal

 Hazardous Material Spill

Emergency Accident Plan Incident Worksheet

Odor Management

Odor Monitoring Worksheet

NOTE: The procedures outlined in this plan are provided as guidance, and should not be replicated without tailoring the plan to meet the individual conditions of the proposed facility. Before finalizing this plan, the livestock operator should verify that the procedures apply to the proposed facility, should supplement the specific procedures where necessary, and develop regular schedule for updating this plan.

Environmental Incident Response Plan Summary

Farm Name: Farm A

Owner/Operators: John Operator

Farm Address: 1890 N Agriculture Dr., WI 54221

Legal Description Town # 18N, Range # 22E, Section # 10, 1/4 Section # SW

Directions to Farm from Fire Dept.: Take County Hwy . . .

Attach map showing locations of structures (indicate location of doors), roads, manure storage, fertilizers, pesticides, agricultural chemicals, fuel storage, emergency response equipment, MSDS sheets, gas and electrical shutoffs, liquid propane, compressed gas, septic tank, topography, wells, surface waters, and other pertinent information.

Primary Farm Contacts

John Operator, Farm Emergency Coordinator
Joe Operator, Manager
Office

Telephone

920-123-4567
920-765-4321
920-120-0000

Emergency Responder

Name

Telephone

Fire/Rescue	Valders Fire Department	911 920-123-0000, non-emergency
Police	Manitowoc County Sheriff's Dept.	911 920-444-5555, non-emergency
Veterinarian	Hillside Veterinarian	920-888-8888
Manure Hauler	SPD Service	920-999-9999
On-Farm Equipment Operator	Larry Operator	920-111-1111
Excavation Contractor	Olson LLC	920-123-8888
Pumping Equipment	Evan Brothers	920-777-7777
Mortality Disposal Contractor	Golden Stock Removal	800-123-9874
DNR Hazardous Spill Line		800-943-0003

Incident Response Procedures

Personal Injury / Fire Emergency

Contacts

Fire/Rescue		911
John Operator	Farm Emergency Coordinator	920-123-4567

Emergency Information

First aid equipment	Office
Fire suppression equipment	Office & Vehicles
Hazardous / flammable materials on farm: (fuel, lubricants, bulk cleaning agents, etc.)	AST fuel tank storage

Emergency Actions

1. Determine nature of emergency and type of assistance required.
2. Call 911.
3. Attempt to stabilize injured person without moving, unless necessary and safe to do so.
4. Start CPR.
5. Implement evacuation of people and livestock if appropriate.
6. Identify potential locations of hazardous or flammable materials and notify emergency personnel when they arrive.

[May add other information as it relates to the operation]

Accidental Entry to Manure Storage or Transfer Facilities

Contacts

Fire/Rescue

911

John Operator

Farm Emergency Coordinator

920-123-4567

Emergency Information

Rescue equipment is located in the Office:

- Grab pole, ladder, flotation device, rope, first aid kit.

Emergency Actions

1. Call for help.
2. Shut off manure transfer pump and agitator.
3. Locate emergency rescue equipment (grab pole, ladder, & flotation device) and attempt to reach victim.
DO NOT enter a confined area where manure gases could accumulate without an appropriate respirator.
4. Initiate CPR if necessary.
5. Call 911.

[May add other information as it relates to the operation]

Manure Storage Overflow

Contacts

John Operator	Farm Emergency Coordinator	920-123-4567
Manure Hauler	SPD Service	920-999-9999
On-Farm Equipment Operator	Larry Operator	920-111-1111
Excavation Contractor	Olson LLC	920-123-8888
Pumping Equipment	Evan Brothers	920-777-7777
DNR Hazardous Spill Line		800-943-0003

Emergency Information

- Utilize the nearest soil source on the farm for fill.
- Construct temporary manure containment dikes as required to contain the spill

Emergency Actions [May add other information as it relates to the operation]

1. Contact Farm Emergency Coordinator
2. Stop the flow
3. Assess the situation and make appropriate calls.
4. Notify DNR spill hotline 1-800-943-0003
5. Begin clean-up.
6. If required, call manure hauler to bring agitation pump and tanker, call for front end loader and backhoe.
7. Construct a temporary dike below the manure storage from earth fill, corn silage or other available materials if manure is flowing toward a defined waterway or drainage outlet.
8. Use soil fill or corn silage to add temporary fill to the top of the manure storage facility berm to stop the manure overflow, if occurring from a defined location.
9. Place agitation pump in pit at designated pumping location and begin loading tankers.
10. Land apply manure on fields approved for manure application in the nutrient management plan. Apply at the established rates. Or transfer manure to neighbor for prearranged storage.
11. Collect manure and contaminated soil from overflow area and from behind temporary dike. Land apply materials on fields approved for manure application in the nutrient management plan. Apply at the established rates. Remove temporary dike from the field and temporary fill from the manure storage facility berm.

Manure Storage Leakage

Leakage from base or sidewall of a manure storage structure are often seepage rather than flowing leaks. Responses are as follows:

- Dig a small well or ditch to catch all seepage, put in a submersible pump, and pump back into lagoon.
- If holes are caused by burrowing animals, trap or remove animals, fill holes, and compact with a clay-type soil.
- Other holes may be likewise temporarily plugged with clay soil.

Contact engineer to develop a plan to repair the facility, and verify repairs are adequate

Manure Storage Failure

Contacts

John Operator	Farm Emergency Coordinator	920-123-4567
Manure Hauler	SPD Service	920-999-9999
On-Farm Equipment Operator	Larry Operator	920-111-1111
Excavation Contractor	Olson LLC	920-123-8888
Pumping Equipment	Evan Brothers	920-777-7777
DNR Hazardous Spill Line		800-943-0003

Emergency Information

- Front end loader is parked at the bunker silos
- Utilize the nearest soil source on the farm for emergency fill.
- Construct temporary manure containment dikes as required to contain the spill

Emergency Actions

1. Contact Farm Emergency Coordinator.
2. Stop all additional flow to the storage structure (waterers, flush system, etc). Prevent surface water from entering the system.
3. Assess the situation and make appropriate calls.
4. Notify DNR spill hotline 1-800-943-0003.
5. Begin clean-up. Call front end loader operator and excavator if needed.
6. Construct a temporary dike below the manure storage from earth fill, corn silage or other available materials if manure is flowing toward a defined waterway or drainage outlet.
7. Attempt to place temporary fill in the area of dike failure.
8. Call manure hauler to bring agitation pump and tanker.
9. Place agitation pump in pit at designated pumping location as soon as possible and begin loading tankers.
10. Land apply manure on fields approved for manure application in the nutrient management plan. Apply at the established rates. Or transfer manure to neighbor for prearranged storage.
11. Collect manure and contaminated soil from overflow area and from behind temporary dike. Land apply materials on fields approved for manure application in the nutrient management plan. Apply at the established rates. Remove temporary dike from the field and temporary fill from the manure storage facility berm.
12. Conduct engineering analysis of manure storage facility and develop repair plan. Obtain necessary approval for repair plan.
13. Repair manure storage facility.
14. Document actions. [May add other information as it relates to the operation]

Manure Spill During Transport or Application

Contacts

John Operator	Farm Emergency Coordinator	920-123-4567
Manure Hauler	SPD Service	920-999-9999
On-Farm Equipment Operator	Larry Operator	920-111-1111
DNR Hazardous Spill Line		800-943-0003
Police	Manitowoc County Sheriff's Dept.	911
		920-444-5555, non-emergency

Emergency Information

- Identify location of spill.
- Clean up equipment needed – skid loader/front end loader, corn silage/bedding or water tanker, manure spreader.

Emergency Actions [May add other information as it relates to the operation]

1. Eliminate the source.
 - Stop manure application or pumps.
 - Close valves. Separate pipes, creating an air gap and stopping flow.
 - Transfer manure/liquid to another basin or lagoon.
2. Contain the spill, if possible.
 - Create a containment dam in the field, ditch or stream.
 - In a field, use tillage equipment to slow the flow
 - Check for tile flows.
 - Construct a temporary holding basin down slope.
 - If possible, place soil over the point of seepage, ensuring that you do not drive over or compact the seepage point.
3. Assess the extent of the spill and note any obvious damages.
 - Did or could the spill reach any surface waters, well casings or other sensitive areas?
 - How much was released? What time?
4. Contact the appropriate agencies, including sheriff's department if traffic control is needed.
5. Clean up the spill and make repairs. Did any damage occur (employee injury, fish kills, or property damage)?
6. Land apply materials collected manure and contaminated soil on fields approved for manure application in the nutrient management plan. Apply at the established rates.
6. Document and review actions taken to contain or minimize the spill.

Movement of Manure During or After Application

Emergency Actions

1. Stop land applying manure. Assess needs and call for help. Review steps listed above.
2. If possible, incorporate manure with tillage or till ground down slope of applied manure to reduce runoff.
3. Construct a temporary berm to prevent runoff of manure, if necessary.
4. Evaluate the application rates for fields where runoff occurred. Recalibrate spreader if necessary.

Catastrophic Mortality Disposal

Contacts

John Operator	Farm Emergency Coordinator	920-123-4567
Veterinarian	Hillside Veterinarian	920-888-8888
Mortality Disposal Contractor	Golden Stock Removal	800-123-9874
Excavation Contractor	Olson LLC	920-123-8888

Emergency Actions

1. Contact veterinarian if death is suspicious or animal displayed unusual symptoms.
2. Remove mortality from the livestock production area. Place in designated mortality storage area (secure from scavengers and having appropriate runoff controls).
3. Contact mortality disposal contractor to arrange pick up within 24 hours.
4. If directed by the State Veterinarian, implement disease outbreak procedures as required. This may include killing exposed animals, burning carcasses, and burial of ashes in the catastrophic mortality burial area.

[May add other information as it relates to the operation]

Hazardous Material Spill

Contacts

Fire/Rescue/Hazardous Material Response Unit	911
John Operator Farm Emergency Coordinator	920-123-4567
DNR Hazardous Spill Line	800-943-0003

Spill Information

First aid equipment	Office
Fire suppression equipment	Office & Vehicles
Personal Protection Equipment	Office
Hazardous / flammable materials on farm (fuel, lubricants, bulk cleaning agents, etc.)	AST fuel tank storage

Emergency Actions

1. Identify the hazardous material that has been spilled. Assess need for safety equipment.
2. Stop the flow. Turn off all pumps.
3. Assess the situation and make appropriate calls.
4. Flammable materials: Shut off power to area from a remote location. Eliminate sources of ignition.
5. Evacuate people and livestock as appropriate.
6. Contain the spill and begin cleanup.
7. Prevent hazardous materials from leaving spill site by construction temporary dikes if necessary.
8. Once the situation has been stabilized collect hazardous material using approved methods and dispose of contaminated soil according to regulations.
9. Document actions.

[May add other information as it relates to the operation]

Emergency Accident Plan Incident Worksheet

Incident Date / Time:

Location:

People / Agencies Involved:

Type of Incident:

Worksheet completed By:

Signature: _____

Date Completed: _____

[May add other information as it relates to the operation]

Odor Management

Contact

John Operator

Farm Emergency Coordinator

920-123-4567

Odor Monitoring Program Actions

1. After a complaint is placed fill out the Odor Monitoring Worksheet. Insert as much detail as possible.
2. Review activities to reduce odors:
 - a. Manure agitation.
 - b. Inject manure directly into soil.
 - c. Clean feed bunkers.
 - d. Arrange for timely mortality removal.
3. Steps to establish working relationship with neighbors and community members:
 - a. Provide notice to neighbors prior to land application of manure.
 - b. Avoid spreading manure during holidays and community events.
 - c. Clean roads if operations have deposited manure or mud is on it.
 - d. Participate in local activities such as 4-H, dairy days, or school events. Host a community picnic or open house.
4. Monitor effectiveness of odor control technologies and management.
 - a. Record the amount of odor present as determined by managers.
 - b. Number of complaints filed.

[May add other information as it relates to the operation]

Odor Monitoring Worksheet

Date Complaint Received:

Time:

Form Completed By:

Complaint Received From:

Address:

Phone Number:

Comments:

Weather Conditions:

Sunny

Partly

Cloudy

Mostly

Cloudy

Overcast

Hazy

Temperature:

Relative Humidity:

Precipitation:

None

Fog

Rain

Sleet

Snow

Wind Direction, Blowing From:

N

NW

NE

W

E

SW

SE

S

Wind Speed:

Calm

Light Breeze

Moderate Wind

Strong Wind

Odor Source:

Description:

Nuisance Potential:

Actions taken to reduce conflict:

[May add other information as it relates to the operation]