



FARM SAFETY CHECK

MANURE MANAGEMENT CHECKLIST

Manure is a valuable resource for crop production. When working with manure, remember to work safely and avoid cutting corners. As manure decomposes, invisible and potentially hazardous gasses (ammonia, hydrogen sulfide, methane, and carbon dioxide) are released. In addition, safety hazards can exist along the path of manure management, especially during busy seasons involving long hours. Keep this safety checklist in mind as you work with manure, including storage, agitation, pumping, transportation, and application.

You and/or your employee(s) can use this form to complete safety checks on your farm. Use the form below to list additional safety checks you think are important when inspecting your farm. Keep the completed forms for follow-up, future reference, and inspections. Additional copies of this form can be downloaded at:

<http://umash.umn.edu/umash-farm-safety-check/>

Potential Hazard	Yes	Needs Correction	Date Corrected or Notes
Is entry to manure storage areas limited? Fencing, locked gates, and warning signs can prevent unauthorized access. Remove livestock from manure areas before agitation or pumping. Only enter confined spaces if it is absolutely necessary <u>and</u> you have the proper training, qualifications, and safety equipment.	<input type="checkbox"/>	<input type="checkbox"/>	
Is the storage well-ventilated? Ensure maximum ventilation before and during pumping and while working nearby.	<input type="checkbox"/>	<input type="checkbox"/>	
Have you checked for fire hazards? Disconnect any electrical equipment or ignition sources. Do not smoke near manure storages or while handling manure.	<input type="checkbox"/>	<input type="checkbox"/>	
Do you have a working gas monitoring system? Select monitors based on hazards (see technical guidance resource). If the system alarms, all workers should move away, use a self-contained escape respirator if necessary, and return only when measurements show no health risk.	<input type="checkbox"/>	<input type="checkbox"/>	
Do you have at least two people present during manure handling?	<input type="checkbox"/>	<input type="checkbox"/>	
Are all slow-moving vehicle signs on road transportation equipment in good condition? Are the signal and brake lights working correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
Are all workers trained on safe manure handling and biosecurity? Applicators should take steps to prevent spills and be aware of the rules regarding setbacks and applying near sensitive areas.	<input type="checkbox"/>	<input type="checkbox"/>	
Does your safety plan address fatigue? Ensure adequate staffing, and consider work hour maximums, rest minimums, and rotating shifts frequently.			
Are you prepared for an emergency? Post all emergency contacts, addresses, and plans. Ensure the proper personal protective equipment (self-contained breathing apparatus and harness with lifeline) are available. Designate safe exits, and ensure fire extinguishers are full and up to date.	<input type="checkbox"/>	<input type="checkbox"/>	

Name of person completing safety check: _____ Date completed: ____/____/____

SEE THE NEXT PAGE FOR ADDITIONAL RESOURCES



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Additional Hazards	Yes	Needs Correction	Date Corrected or Notes
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL RESOURCES

[Manure Gas Safety](#)

Great Plains Center for Agricultural Health

<https://gpcah.public-health.uiowa.edu/outreach-2/topics/2-0/>

[Reducing Risks of Manure Storage Agitation Gases](#)

University of Wisconsin-Extension

<https://fyi.uwex.edu/agsafety/files/2016/09/Manure-Storage-Risk-Final-Extension-Bulletin.pdf>

[Rules and Regulations for Land Application of Manure](#)

Minnesota Pollution Control Agency

<https://www.pca.state.mn.us/quick-links/land-application-manure>

[Manure Spill Prevention and Management](#)

University of Minnesota Extension

<https://extension.umn.edu/manure-safety/manure-spill-prevention-and-management>

[Safety Considerations for Manure Handling](#)

University of Wisconsin Extension

<https://learningstore.uwex.edu/Assets/pdfs/A3675.pdf>

[Technical Guidance for Selection and Use of Monitors to Assess Air Hazards](#)

Great Plains Center for Agricultural Health

https://gpcah.public-health.uiowa.edu/wp-content/uploads/2015/08/Manure-Pit-Gas-Selection_Use-7_31_15.pdf

Farm Safety Checklists: [Manure Gas](#) | [Manure Application](#) | [Emergency Preparedness](#) | [Fatigue](#)

Upper Midwest Agricultural Safety and Health Center

<https://umash.umn.edu/umash-farm-safety-check/>

The facts and information provided are suggestions for your safety, but are in no way a comprehensive and exhaustive list of all actions needed to insure your safety, and are not an endorsement of any products mentioned.

For additional Farm Safety Check topics and resources, visit: <http://umash.umn.edu/umash-farm-safety-check/>

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