



FARM SAFETY CHECK



MANURE GAS SAFETY CHECKLIST

Hydrogen sulfide is a colorless, flammable, and extremely hazardous gas. It is produced by the breakdown of animal wastes or manure. It is heavier than air and can collect in both enclosed pits, open air lagoons and low-lying areas such as, ditches, or manholes. Knowing the risks that can occur with manure gas is important for those farms raising animals and for others who may visit your farm.

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 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-------------------------|
| Does the storage area have protective fencing and locked gates to prevent anyone not authorized from entering the area? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are warning signs posted around the storage area such as "Danger", "No Smoking" and "Risk of Drowning"? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is there an emergency plan in place with phone numbers and addresses posted? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Has everyone received training about the hazards that exist with manure storage, including the effects of various gases on animals and people, and what to do in an emergency? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is Personal Protective Equipment (harnesses or breathing apparatuses) readily available? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do you ventilate the pit prior to pumping, during pumping and while working near the pit? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do you have a properly working gas monitoring system or device? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do you have at least 2 people present when working near the manure lagoon or pit? | <input type="checkbox"/> | <input type="checkbox"/> | |
| | <input type="checkbox"/> | <input type="checkbox"/> | |
| | <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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MANURE GAS

| 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"/> | |
| | <input type="checkbox"/> | <input type="checkbox"/> | |

ADDITIONAL RESOURCES

Manure Gas Safety Resources

University of Wisconsin Center for Agricultural Safety and Health

<https://fyi.uwex.edu/agsafety/2017/08/29/manure-gas-safety-2/>

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>

Non-enclosed Manure Storage Safety Tips

University of Wisconsin Center for Agricultural Safety and Health

<https://fyi.uwex.edu/agsafety/files/2012/09/Non-enclosed-manure-storage-safety-tips-wi-9.4.12.pdf>

NRCS Alerts Farmers About Dangers of Manure Storage Agitation

United States Department of Agriculture

https://www.nrcs.usda.gov/wps/portal/nrcs/detail/pa/newsroom/releases/?cid=nrcs142p2_018239

Manure Gases - Commonly Asked Questions

National Farm Medicine Center

<http://www.marshfieldresearch.org/Media/Default/NFMC/PDFs/ManureGas.1.pdf>

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/>

To receive Farm Safety Check topics via email, join the UMASH email list at <http://umash.umn.edu/join-our-email-list>

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