



Spill Characteristics and DNR Enforcement Efforts at Homan CAFO, 1995–2021

SPILL AND ENFORCEMENT TOTALS

SPILL CHARACTERISTICS						MISSOURI DNR ENFORCEMENT EFFORTS				
Est. Volume of Reported Spills (gal.) ¹	Total Reported Spills	Reported Spills w/ Unknown Volume	% Spills w/ Unknown Volume	Avg. Spill Volume (gal.) ²	Avg. Annual Spill Volume, Past 30 Yrs. (gal.) ²	Letters of Warning	Notices of Violation	Spills w/o Onsite Response	% Spills w/o Onsite Response	Volume of Spills w/o Onsite Response (gal.) ¹
333,340	59	12	20%	7,092	11,111	2	5	33	56%	260,300

¹ These totals do not include reported spills of unknown volume. For details about spill calculation, see the Methodology section of the Rap Sheet (sraproject.org/SmithfieldMORapSheet)

² Average volumes were calculated for known spills (i.e., excluding spills of unknown volume).

HOMAN—REPORTED WASTE SPILLS AND VIOLATIONS

DATE	ESTIMATED GALLONS SPILLED	DESCRIPTION
11/3/1995	-----	Agency records indicate that construction had started on numerous facilities prior to receiving DNR approval or permits. The facilities were determined to be in noncompliance.
4/7/1998	250	NOV #0925KC: A work crew drove over a rubber pipeline during a lagoon transfer causing it to puncture and spilled wastes into Campbell Creek. An emergency dam was constructed in the stream to contain the spill.
5/21/1998	40	NOV #0981KC: On May 21, 1998, a spill from a ruptured rubber transport hose during land application spilled wastes into a tributary of Jolly Creek.
6/1/1998	unknown	NOV #0989KC: On June 1, 1998, a spill from a ruptured rubber transport hose during land application spilled wastes into a tributary of Jolly Creek.
2/8/1999	-----	Agency records indicate a DNR inspection report revealed two broken waste pipeline cleanout risers and erosion gullies on Farm 24 lagoon that were “deep and widening.” Inspectors also documented 44 hog confinement barns with cracked foundations needing repair.
2/8/1999	-----	Agency records indicate a joint U.S. EPA and DNR inspection report revealed varying degrees of erosion on the interior of four earthen lagoon walls.
5/28/1999	unknown	NOV #1141KC: Overapplication and runoff of wastes spilled into Jolly Creek resulting in a fish kill (at least 1,705 aquatic mortalities). An emergency dam was constructed to contain the spill.
7/28/1999	unknown	NOV #1155KC: A pipeline failure during a waste transfer between lagoons spilled into a road right of way.
9/8/1999	1,000	Agency records indicate an equipment failure during land application spilled wastes onto Field 12. An emergency dam was constructed to contain the spill.
12/23/1999	-----	Agency records indicate a DNR inspection noted, “Due to the facility land applying on land before soil samples were taken and analysis completed, failure to compile a list of chemicals used at the farm as stated in the permit, and determining flow from the emergency containment discharges...Homan Farms is considered in noncompliance with the permit.”

2/15/2000	20,000	Agency records indicate a pipeline joint failure spilled wastes into a road right of way and then to a drainageway. An emergency dam was constructed to contain the spill. Some wastes were caught by emergency containment. DNR did not respond on site to investigate the incident.
6/5/2000	unknown	Agency records indicate that the DNR "office has received several complaints concerning aerosol spray leaving the land application site during windy conditions. Proper care must be taken, during any wind condition, to prevent the aerosol or liquid waste from leaving the land application site."
8/9/2000	unknown	Agency records from a DNR inspection revealed, "failure to submit a complete second quarter monitoring report...At farm 25, there was a leak in the pump house. Wastewater was covering the floor, exiting the building through the door, entering the containment around the building, and then flowed back to the lagoon...Also at farm 25, the hose connecting the riser for the underground piping system to the pump had formed a six-inch diameter bulge in the hose and had begun to leak...Located on the west side of the lagoon, for farm 25, was a pile of solids...trash was found floating in lagoons 17,19, 20, and 21." The facility was determined to be in noncompliance.
11/20/2000	unknown	Agency records from a DNR inspection revealed, "ContiGroup Corporation's Homan Farm is considered to be in noncompliance for allowing a valve on an emergency containment pond at farm 25...to remain open for period of approximately two weeks. Emergency containment structures are to remain closed in order to catch a release from the recycle pump or the recycle lines...If the valves are left open the containment can not serve its intended purpose...At the same farm on the south side of the lagoon, the riser was leaking effluent" that spilled into a drainageway into the emergency containment. "Feed spills under the feed bins were located at various places throughout the farm." The facility was determined to be in noncompliance.
5/5/2001	10,000-15,000	Agency records indicate a plugged pipeline to the lagoon backed wastes up into and spilled out of Barn 1 and into emergency containment. DNR did not respond on site to investigate the incident.
6/21/2001	unknown	Agency records indicate that a DNR inspector documented, "An excessive amount of 'Oil Dry' was found in the pump house of Farm 25...Feed spills under the feed bins were located at various places throughout the farm."
10/30/2001	100	Agency records indicate a spill during land application was partially contained by an emergency dam. Some wastes spilled into a public road right of way. DNR did not respond on site to investigate the incident.
11/14/2001	unknown	Agency records indicate that during a DNR inspection of land application, "At one point during the inspection a hose broke off of an injection chisel causing a small spill...employees responded quickly and contained the spill to a small area of the field."
4/7/2004	3,000	Agency records indicate a plugged pipeline to the lagoon backed up, filling a barn with wastes, which flowed out the doors and spilled into emergency containment. DNR did not respond on site to investigate the incident.
6/23/2004	5,000	Agency records indicate a plugged main pipeline to the lagoon backed up, filling all barns with wastes, which flowed out the doors. An emergency dam was constructed to contain the spill. DNR did not respond on site to investigate the incident.
9/24/2004	1,500	Agency records indicate a plugged pipeline between the barns and lagoon spilled wastes into emergency containment.
11/16/2004	30,000	Agency records indicate a feed spill inside Barn 4 plugged a pipeline that flooded the barn with wastes, which broke the barn door open and spilled into emergency containment.

11/24/2004	3,000	Agency records indicate a plugged pipeline between a barn and a lagoon. An emergency dam was constructed to contain the spill prior to reaching the emergency containment system.
4/5/2005	200-300	Agency records indicate that during land application an underground pipeline separated and surfaced wastes that spilled into a spring-fed stream. An emergency dam was constructed to contain the spill.
11/28/2005	1,000	Agency records indicate a water line break caused wastes to spill from a barn into emergency containment.
12/7/2005	unknown	Agency records indicate that DNR inspectors noted an ongoing leak. "Leak detected in pumphouse at farm 22. Inspection sheets indicate no leak. Leak had been going on for some time...Inspection sheets must be filled out correctly and proper action taken when needed."
12/26/2005	12,000	Agency records indicate a plugged pipeline in Barn 3 spilled wastes into emergency containment.
2/16/2006	3,000	Agency records indicate a plugged pipeline spilled wastes from a barn into emergency containment.
2/21/2006	1,000	Agency records indicate a plugged pipeline spilled wastes from a barn. Wastes were contained before reaching emergency containment. DNR did not respond on site to investigate the incident.
2/26/2006	10,000	Agency records indicate a barn pipeline plugged and spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
3/21/2006	3,000	Agency records indicate a plugged pipeline in Barn 3 spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
4/4/2006	4,000	Agency records indicate a barn pipeline plugged and spilled wastes into emergency containment.
4/14/2006	10,000	Agency records indicate a waste separator failed plugging the pipeline to the lagoon, which spilled wastes into emergency containment.
5/24/2006	1,000	Agency records indicate a plugged pipeline in a barn spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
9/12/2007	2,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment.
10/29/2007	1,000	Agency records indicate a waste pipeline coupling came loose during land application and spilled wastes that soaked into the ground. DNR did not respond on site to investigate the incident.
2/9/2008	30,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
4/9/2008	-----	Letter of Warning: Failure to submit Operation & Maintenance Report as required.
9/22/2008	5,000	Agency records indicate a land-application tractor got stuck in Field 20 and spilled wastes into a drainageway. An emergency dam was constructed to contain the spill.
12/4/2008	1,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
2/26/2009	-----	Letter of Warning: Failure to submit Operation & Maintenance Report as required.

5/22/2009	1,000	Agency records indicate a plugged pipeline in a barn spilled wastes that diverted away from the emergency containment system and into a drainage along a county road right of way. DNR did not respond on site to investigate the incident.
6/20/2009	1,500	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
12/11/2009	-----	Agency records indicate that a DNR inspector noted, "Rutting and erosion around lagoons and pump houses needs to be fixed and minimized to maintain proper berm integrity and lagoon function." The facility was determined to be in noncompliance.
5/6/2010	unknown	Agency records indicate that DNR discovered an ongoing spill during an inspection of land application of wastes, and noted, "some tile drain outlets in the field were not covered and one was receiving some runoff from the application. The crew was informed and immediately stopped application."
6/12/2010	1,000	Agency records indicate a plugged pipeline between a barn and a lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
8/4/2010	100	Agency records indicate a cap came loose on a tanker truck spilling wastes onto County Road 540. Wastes soaked into the gravel road. DNR did not respond on site to investigate the incident.
10/5/2010	1,500	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
11/5/2010	60,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
1/13/2011	1,000	Agency records indicate a plugged pipeline between Barn 1 and the lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
3/15/2011	1,000	Agency records indicate a plugged pipeline between Barn 1 and the lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
9/12/2011	500	Agency records indicate a broken underground pipeline surfaced wastes that spilled into a dry tributary of the facility's freshwater lake. Wastes were contained by emergency excavation before reaching the lake. DNR did not respond on site to investigate the incident.
2/9/2012	30,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
2/17/2012	-----	Agency records indicate that a DNR inspection revealed inadequate and missing recordkeeping, noting "Several of the land application fields had soil tests with phosphorus rankings of high or very high which would alter or completely restrict application on these tracts." The facility was determined to be in noncompliance.
6/14/2012	-----	Agency records indicate DNR inspectors noted sunken areas on the berms of lagoons 19 and 22.
1/26/2013	1,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
1/29/2013	2,500	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
3/8/2013	5,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.

5/29/2013	1,100	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
12/8/2013	1,500	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
7/14/2014	35,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
12/8/2014	3,000	Agency records indicate a plugged pipeline between Barn 8 and the lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
2/17/2015	10,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
6/29/2015	10,000	Agency records indicate a broken underground pipeline surfaced wastes during land application that spilled into emergency containment. DNR did not respond on site to investigate the incident.
8/19/2015	3,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
8/20/2015	3,000	Agency records indicate a plugged pipeline between a barn and lagoon spilled wastes that were contained by an emergency dam prior to reaching the emergency containment system. DNR did not respond on site to investigate the incident.
11/24/2015	-----	Agency records indicate a DNR inspection noted feed spills at several facility sites. At five of the sites, hogs were infected with Porcine Reproductive and Respiratory Syndrome virus (PRRSv 174) at the time of the inspection.
6/7/2017	-----	Agency records indicate a DNR inspection noted feed spills at 28 different locations around the facility. The facility was determined to be in noncompliance.
7/28/2017	unknown	Agency records indicate a DNR inspection noted dead animal fluids and hydraulic fluid on the ground at the mortality transfer station.
12/21/2017	unknown	Agency records indicate a DNR inspection noted dead animal fluids on the ground at the mortality transfer station and uncontained solid wastes outside the manager's office at site 18.