



Spill Characteristics and DNR Enforcement Efforts at Hedgewood CAFO, 1996–2021

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
19,500	7	4	57%	6,500	650	0	1	4	57%	15,000

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).

HEDGEWOOD—REPORTED WASTE SPILLS AND VIOLATIONS

DATE	ESTIMATED GALLONS SPILLED	DESCRIPTION
2/7/1996	unknown	Agency records indicate valves leaking wastes.
4/4/2000	-----	<p>"NOV #0834NE: "Failure to Perform Stormwater Monitoring Within 24 Hours of Land Application" NOV #0835NE: "Failure to Report Other Chemicals Used at the Facility" NOV #0838NE: "Failure to Submit Accurate Discharge Monitoring Reports (DMRs) of the July 28, 1999, Discharge from Whitetail Facility"</p> <p>DMR Report on the 1999 Annual Records Review: "PSF failed to accurately report the required parameters from wastewater discharges as required by the existing permit. During a July 28, 1999, discharge of processed waste into Sandy Creek from the Whitetail facility, NERO [DNR Northeast Regional Office] staff collected samples for ammonia. The results of the NERO samples at the down gradient property boundary were nearly 500 times as high as those listed in the [company] report for the same day at the same sample location."</p> <p>Ten of eleven facilities reviewed were determined to be in noncompliance.</p>
4/26/2000	-----	<p>U.S. EPA NOV issued: U.S. EPA issues PSF a Notice of Violation of the federal Clean Air Act alleging that PSF annually emits several hundred tons of potentially hazardous air pollutants including hydrogen sulfide and particulate matter from its hundreds of confinement buildings and open-pit waste lagoons. USEPA also cites PSF's failure to apply for air pollution permits as required by law.</p>
12/7/2000	unknown	Agency records indicate that a dirt-work contractor struck an underground waste pipeline that spilled wastes into a freshwater lake and into a drainageway. The contractor constructed an emergency dam to help contain the spill.

11/7/2001	-----	"Agency records indicate a DNR investigator wrote, "as discussed the NERO [Northeast Regional Office] has identified several occasions in which the land application map was not current. I did a quick review of the individual [inspection] files for the Site Specific Permits at PSF and found the following... Inspection Date / Site 11-06-01 Terre Haute—land application over last four days not reflected on map 10-11-01 Hedgewood—several days of application in new season, no map yet on site 08-08-01 Whitetail—prior days (sic) application by contract app not reflected on map 08-01-01 Green Hills—land map could not be located by PSF env. staff to inspect 06-11-01 Peach/Perkins—map was not current from October 2000 app on FI 08-28-00 Somerset—map was not current.""
5/10/2005	4,500	Agency records indicate a plugged pipeline between a barn and lagoon spilled into a storm water diversion channel. An emergency pit was dug to contain the spill.
4/3/2009	unknown	Agency records indicate a pipeline cleanout riser was driven over and broken, causing wastes to spill into emergency containment. DNR did not respond on site to investigate the incident.
8/12/2009	-----	Agency records indicate a DNR inspector documented, "Some chunks of scrap foam from a lagoon cover were scattered on the inner slope of the [lagoon] berm at Site #6."
5/5/2011	-----	Agency records indicate an email from PSF stated, "As part of our agreement with Missouri Attorney General Chris Koster we have agreed to closing certain barn sites within the PSF Farms known as Hedgewood, Locust Ridge and Somerset (all 1A farms) to population levels of a 1B farm...By the first week of 2012 we will have 22 Farm sites closed representing 176 individual barns."
5/19/2011	-----	Agency records indicate a DNR correspondence to PSF states, DNR "has received your May 5, 2011, email regarding closure of certain barn sites...The mechanical systems at the barn sites are completely inoperable which all but eliminates the possibility of a spill or release of process wastewater from malfunctioning equipment. Therefore, the Department concurs with your plans to suspend twice daily inspections and the operation of secondary containments at the barns sites that are closed."
6/15/2011	-----	Agency records indicate a DNR inspector noted, "Dispose of the fragments of lagoon covers on the berms as discovered."
3/28/2012	-----	Agency records indicate a DNR Annual Records Review of PSF records noted, "The second item of the cover page was discussed, which is the estimated amount of manure, litter and wastewater generated in the previous twelve months. During the review of the individual facilities, it was found that this number was often higher than the design flow listed on the facility's Missouri State Operating Permit...Total gallons land applied was higher than the design flow."
9/6/2012	10,000	Agency records indicate a plugged pipeline between the barns and lagoon spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
3/10/2013	5,000	Agency records indicate a plugged pipeline in Barn 4 spilled wastes into emergency containment. DNR did not respond on site to investigate the incident.
8/30/2017	-----	Agency records indicate a DNR inspector documented, "Erosion was observed around each of the production buildings. The area around the production buildings should be regraded and stormwater diversions repaired...Daily and weekly inspection records were not available at the time of the inspection. Ensure all required records are maintained for at least five years, are easily accessible, and available for inspection upon request."
9/18/2020	unknown	Agency records indicate a neighboring property owner observed water flowing in their creek. Smithfield reported the spill to the DNR three days later, stating that a leaking underground pipeline had not been noticed during land application. DNR recommends that possible spills be reported to the agency "as soon as practicable." DNR did not respond on site to investigate the incident.
3/3/2021	-----	Agency records indicate a DNR inspector noted, "Ensure that trash is removed from the lagoons as discovered and properly disposed. Ensure that feed spills are removed and properly disposed when discovered."