

## Manure Spills and Fish Kills

Date Site	Reason	# dead fish
8/19/11 Squaw Creek, 4 miles south of Stanhope, Hamilton Co.	Sealine spray irrigating crop field with liquid hog manure entered underground tile lines	unknown
8/10/11 tributary of South Skunk River in Hamilton Co.	Chemical drift from aerial crop spraying	6,000
8/4/11 South Skunk River near Hamilton and Story County line small intermittent stream flowing into Otter Creek near 330th St. near 7/25/11 Wilton in Cedar County	leaking manure structure at Merlyn Hegland hog confinement NW of Randall near Little Wall Lake	27,456
7/21/11 Coon Creek near Blirstown to Iowa River	Crop-dusting helicopter crashed and fungicide ran into underground tile line Cedar Valley Farms, confinement dairy cattle feeding and milking op south of Blirstown, released >100,000 gallons of manure	unknown
6/18/11 Whitewater Creek near Peosta in Dubuque Co.	Overflowing reception pit due to heavy rain at open lot hog and cattle op near Peosta owned by Wayne Demmer	104,000
6/7/11 Lake Macbride	Blue green algae bloom in south arm due to storm runoff and increased water temps	1,000
6/3/11 West Lake Okoboji	Faulty electrical connection to set of personal watercraft hoists in West Lake Okoboji	unknown
5/24/11 Adair private pond south of Casey	Overtopped holding pond from heavy rain at Agriland FS of Winterset	hundreds
5/12/11 tributary to Short Creek near Cotter in Louisa County	unknown but no indication of manure discharge	>400
11/29/10 unnamed stream west of Bernard Franklin Co. wetland. Spring Creek, eventually flowing to Beeds Lake	Surface-applied manure from Bernard County Dairy on a partially frozen 40-acre field west of Bernard	2,000
9/30/10 State Park, flows through the wetland.	Manure tanker owned by Nutrient Solutions lost control and landed upside down in wetland	unknown
8/30/10 tributary of Cylinder Creek northeast of Emmetsburg Bailey Creek, a West Fork Cedar River tributary, in Cerro Gordo County 8/26/10 near Thornton	from hog manure release by pumping on Paul Ehmen's farm reaching stream through tile line unknown	a small number of dead chubs, minnows and crawfish more than 8,000
8/19/10 Mill Branch Creek and into Cotton Creek, then White Breast Creek near Lacona in Warren County	A pipe connecting several anhydrous ammonia storage tank leaked at South Central Coop	2,784 of both large and small dead fish including game fish
7/13/10 Flint Creek, located NE of New London	DNR is investigating, but aerial pesticide spraying had been occurring in the area	unknown
6/29/10 Trumpeter Swan Marsh in Lee County	unknown; DNR is investigating	4,000
5/28/10 South Skunk River one mile north of Stratford in Hamilton Co. 3/10/10 to Buck Creek in Clayton County	tank overturned at Westrum Farms spilling estimated 400 gallons of 32% nitrogen fertilizer broken pipeline at Lee Pattison Dairy north of Garnavillo; 50,000-70,000 gallons of manure flowed at 800 gallons per minute	unknown unknown
12/14/09- to tile buried beneath snow; tile outlet begins unnamed trib of Indian 12/15/09 Creek in Washington County	NPCK Pork released 4,000-5,000 gallons of manure during application when applicator filled tank and left tank apply manure. Stirring devise left on and shifted while unattended spraying manure out of the basin leaking above-ground storage structure with failed emergency shutoff valve on drainage tile line; 1.5 mi SE of Linden; owned by Carstens Livestock of Bagley	undetermined but being investigated no live or dead seen
11/2/09 to ravine to unnamed trib of Middle Raccoon in Dallas Co. 9/7/09 Otter Creek in Mitchell County	Anders Knudsen of St. Ansgar pumped 25,000 gals of waste from hog nursery to cropfield	>150,000
8/21/09 East Branch of Boone River 2.5 mi west of Kanawha in Hancock Co	no obvious indications of a cause; DNR investigating	minnows and carp
8/18/09 to trib of Mud Creek 2.5 mi NW of Lester, Lyon Co.	lost from temp transfer pipe while pumping to pit at Rock Bottom Dairy, a Bernie Bakker confinement	several hundred
8/13/09 unnamed trib of Crane Dreek near Dunkerton, Black Hawk Co.	liquid nitrogen fertilizer mixed with rainwater inadvertently pumped at Dunkerton Coop	est. 100-200
8/12/09 Picayune Creek northeast of Kalona in Johnson County	DNR investigating; high ammonia levels and manure odors	sucker, chub, minnow

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8/11/09 German Creek southeast of Sigourney in Keokuk County	DNR investigating; manure ruled out as likely cause	cat, bluegill, minnow
7/28/09 Flint Creek northeast of New London in Des Moines County	DNR is investigating to identify possible pollutants responsible	unknown crayfish
7/18/09 stream running through Noelridge Park in Cedar Rapids	Harding Middle School workers dumped stripper/wax solution into a storm sewer	unknown
6/27/09 3-4 miles of Buck Creek one mile NW of Garnavillo in Clayton Co.	soil samples taken to determine if chemical spill or from open cattle feedlot	being counted
5/24/09 Ralson Creek tributary runs through Creekside Park in Iowa City	traced to tile line in rural area with no indication of manure or fertilizer fun-off	hundreds
5/11/09 Solberg pond in/out unnamed stream to Big Sioux River, Sioux Co.	Green Earth Nutrients left irrigator on overnight; equip stuck/sprayed in one spot; Meadowvale Dairy	count in process
5/11/09 unnamed trib of Stump Creek near Batavia in Jefferson Co.	injected liquid manure (Nick Adam confinement) pooled in low spots, est. 200 galls ran into stream	no evidence
4/26/09 Pine Lakes in Hardin County	no contamination detected; water oxygen levels normal; assume temp rise/fall caused stress	thousands
4/15/09 Mud Creek in O'Brian County	leak from earthen storage basin to undiscovered tile line at Roorda Dairy 2 mi E of Granville	none
4/10/09 Perry Creek, 3 miles SW of Cherokee in Cherokee County	overtumed manure tank owned by Kevin Cedar of Cedar Pumping to ditch to tileline to Perry Creek	none
3/18/09 Rose Creek, a West Nodaway trib, south of Lyman in Cass Co.	wastewater release from truck wash owned by Muller Livestock	unknown
3/5/10- flowed overland where about half reached underground tile line and 3/7/10 flowed to South Beaver Creek	Merle Johns hog confinement near Cleves in Hardin County; estimated 3,000 gallons spilled while being transferred to concrete basin. Suspect frozen pipeline caused manure to overflow to manhole next to the basin	at least 14 dead minnows
1/2/09 unnamed trib of Crane Creek SE of Denver, 12 mi N of Waterloo	Denver Dairy -released unknown amount to underground tile line to unnamed trib of Crane Creek	none
10/4/08 3.5 mi stretch of South Big Creek in Henry Co near New London	Dalarna Farms dairy pumping manure when hose ruptured	1,955
10/2/08 3-mile stretch of unnamed trib of Mud Creek in Cedar Co.	River Valley Coop spilled 1500 to 2000 gallons of liquid fertilizer	100s to 10000s
9/17/08 tile inlets in Winnebago Co. to Drainage Ditch 64 N into Minnesota	leak in fertilizer tank being filled by Farmers Coop in Rake	MN DNR counting
9/16/08 North Fork of Maquoketa River near New Vienna	likely caused by manure due to rainstorms washing pollutants into stream	9,464
9/16/08 unnamed stream E of Shelby Co dairy	ruptured pipe at UltiMilk Dairy; Mike Van Baale, producer; diked stream to contain manure	none
9/15/08 North Fork of Maquoketa River near Luxemburg	fish kill reported by concerned person; no source found 9-16-08	16,263
9/14/08 stocked trout stream NE of Greeley, Del Co Fountain Sprngs Park	manure was probable cause due to runoff from recent land application	50 trout and chubs
9/9/08 3 farm ponds reported fish kills in Keokuk Co SE of Sigourney	unknown - manure ruled out as cause	unknown
8/29/08 Silver Creek to 16 mi of Winnebago River, Forest City to Fertile	silage from Monroe Branstad operation reduced oxygen levels	31,000
8/22/08 1 mi of Miller Creek, a Des Moines River trib, near Eddyville	industrial wastewater pipe broke at Wacker Chem Corp, a Cargill, Inc.-owned plant	3,134
8/21/08 1 mile of East fork of Wapsipinicon River near Fredericksburg	unknown; DNR investigating; ruled out manure as possible cause	>76,000
8/20/08 upper dam on Des Moines River at Fort Dodge	species specific natural fish kill	unknown channel cat
7/31/08 W of Clarion to drain ditch to Little Eagle Creek to Eagle Creek	originating near tile line outfall in drainage ditch; DNR investigating ammonia source	250 dead minnows
7/29/08 West Nishnabotna River northeast of Harlan	irrigation equipment caused leachate to run off into river at Ultimilk Dairy Co, a 6000 cow dairy	0 reported
7/19/08 3-mile stretch of Mud Creek west of Paullina in O'Brien Co.	thought to be caused by silage pile runoff from Roorda Dairy	unknown #
7/15/08 Floyd River tributary west of Melvin in Osceola County	Sprayer owned by Allen Roder, Ashton, w/insecticide, herbicide and water fell/emptied into stream	unknown #
7/11/08 Lime Creek near Brandon in Buchanan County	unknown 7/11; DNR still investigating	hundreds
7/10/08 Shell Rock River from Rock Falls to near Rockford	believed to be natural from spawning stress, disease or low oxygen levels	a # of large carp
7/2/08 unnamed trib of East Branch of West Nishnabotna in Harlan Co.	manure runoff during rainfall from Alliance Lamb near Harlan	none observed
June-08 Calhoun County	Corey Feedlot authorized to discharge due to 25-year rain event. Has NPDES	
5/15/08 to North Branch Volga from 2 mi NW of Randalia in Fayette Co	severed manure hose by Teams 2000 caused 5k gals hog manure flowed 15' to ditch then to river	a few
5/12/08 from urban stream flowing to Squaw Creek near Marion, Linn Co	discharges from swimming pools recently treated with chlorine	unknown
3/26/08 Meyers Lake north of Hwy 20 and I-380 in Evansdale	oxygen depletion due to a period of extended snow cover	2,800
3/22/08 from CAFO bldg to unnamed trib of West Rock Creek, Clinton Co.	open valve during transfer to 800,000 gal tank at op owned by David Litscher of Stanwood	dead minnows in trib
3/20/08 from 2 mi NE of Lake Park in Dick Co to West Fork of Little Sioux	runoff from open feedlot owned by Troy Ahrenstorff located about two miles northeast of Lake Park	none observed
3/6/08 near Gravity and Lake of Three Fires in Taylor Coun	1,000 gals storage pit overflow to drain system to Lake of Three Files; owned by Kevin Hohbach of Red Oak	none
wk 11/5/07 from Fansteel/Wellman Dynamics, Creston, to Platte River	280 gallons of fluorescent green dye dumped into Creston sanitary sewer	at least 2,583

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11/3/07	from ditch to unnamed trib of Skunk River	plugged pipe at Neva and Mark Henderson confinement near Randall	at least 1,110
11/2/07	across ground to unnamed trib of Des Moines River	improper manure application at HFK-KEO LLC 5 miles East of Keosauqua in Van Buren Co.	none observed
11/11/07	unnamed tributary to Mill Creek in Cherokee County	Calumet Manure Mgt applying manure from Jack Bernhardt confinement; coupling broke on pump	unknown
10/31/07	Mud Creek in Lyon County	Rock Rivers Feedyards owned by Del and Randy Grooters; soils saturated during land application	none expected
10/9/07	Ingham Lake in Emmet County	water line broke at confinement owned by Mark Olson (Keith Richards owns the hogs)	unknown
10/6/07	Otter Creek in Louisa County via field, tile lines, ditches	pit overflowed at Doug Harris confinement near Morning Sun	more than 9,000
9/17/07	drainage ditch, a trib to East Branch West Nishnabotna Riv	cracked pipe, Natural Milk Production NE of Harlan sent recycled wash water and manure to di	unknown
9/14/07	Crow Creek and unnamed trib at Fairfield	from drainage pipe at Golden Furrow Fertilizer on north side of Fairfield	7,681
8/30/07	Garretson Outlet Ditch, trib of W Br of Little Sioux, Monona Co.	aquatic herbicide; 10 mi from New Farmer Ditch to confluence w/West Branch of Little Sioux River	more than 67,000
8/22/07	dry creek bed w/potentl flow to One Hundred & Two River trib	storage pit overflowed at Whitestone Farms hog confinement SE of Sharpsburg	none as of 8/22/07
8/22/07	Roberts Creek (Turkey River trib) near Farmersburg in Clayton Co.	solids settling structure overflowed at 150 head of cattle open feedlot	none as of 8/22/07
8/22/07	Bear Creek at Eden Valley Refuge near Baldwin, Jackson C	unknown but DNR investigating	up to 100
8/17/07	Trib to West Fork of Cedar River in Franklin Co SE of Sheffield	unknown pollutant	hundreds
8/15/07	Ten Mile Creek tributary in Winneshiek County	manure from Steve Elsbrend's dairy op; slat broke in concrete basin; heavy rain caused second spill	unknown
8/15/07	Little Lake George in Harlan	pesticide (chlorpyrifos) from source still being investigated	922
8/15/07	Big 4 drainage ditch about 1.5 miles west of Williams	Ag Liquid Fert of Williams spilled 27,000 gallons of liquid fert when storage failed; all but 9,000 gal recove	hi potential, 10 found
8/15/07	Ocheyedan River near Oseola Co Conservation Board HQ	natural causes due to low water levels and high water temps	unknown # of suckers
8/15/07	goose pen area off Ingham Lake in Emmett Co.	natural causes due to low water levels and high water temps	unknown # of carp
8/13/07	unnamed trib of Raccoon River 3 mi S, 1 mi E of Rembrandt	Binder Livestock Trailer Washout of Sioux Rapids' land-applied WW seeped through soil into lines	732 suckers
8/12/07	private farm pond east of Exira in Audubon Co.	DNR is investigating	
8/12/07	Mill Creek near Larabee in Cherokee Co.	hot weather probably killed the fish and likely that rainfall washed fish back into Mill Creek	unknown
8/8/07	3 miles of Short Creek NE of Cotter	hoses to cool hogs caused manure runoff from open feedlot located 1/2 mile from creek	several
8/6/07	Floyd River in Sioux County near Hospers	initial testing indicates manure runoff from a large feedlot is likely source	app 97,000
8/6/07	privately owned lake 2 miles north of Riceville	no immediate cause found but dissolved oxygen levels were very low	hundreds
8/2/07	North River near Stuart	natural causes -- mats of algae and brown water indicating an algae die-off	50
7/18/07	Plum Creek (trib to Maquoketa River) SE of Earlville in E Delaware Co	manure washed to stream from open cattle feedlot north of Earlville following rainfall	DNR estimates 100s
6/18/07	running stream near Columbus City in Louisa County	Hog manure from an abandoned confinement pit owned by Randy Wood of Columbus Junction	expect thousands
6/18/07	Raccoon River near Sac City	31 dead hogs were found floating in the river; DNR suspects they were dump	unknown
4/25/07	Willey Branch of Middle Raccoon River	heavy rainfall exceeded design limits at Brian Wendl Feedlot in Carroll County	unknown
4/24/07	Mosquito Creek in Shelby Co.	heavy rainfall resulted in manure release from open feedlot at Schomers Bros Feedlot	none expected
4/11/07	North Walnut Creek near Brighton in SE Iowa	Manure runoff on land owned by David Horras and applied by Ryan Robertson	Unknown
3/29/07	Chariton Creek east of Weldon in Clarke Co	Faulty pipe connection released 10,000 gallons of manure at DeCoster Farms leased by Iowa Select	Unknown
3/20/07	Elk Creek near Woodbine, Harrison Co	underground pipe broke at 20,080 head swine cafo owned by Nebraska Pork Partners	Unknown
3/12/07	Twelve Mile Lake in Emmet County	Snow melt washed manure from 500-head open feedlot owned by Robert Ness	Unk b/c of release
3/9/07	Moon Creek near Rock Rapids in Lyon Co	ice jam caused manure to overflow a settling basin at the Jansma Cattle Compe	Unknown
3/9/07	Indian & Crabapple creeks 2 mi E of Emerson, Montgomery Co	manure from open feedlot owned by Richard Steen	Unknown
3/9/07	West Nishnabotna River about 2.5 mi S of Harlan, Shelby Co	manure runoff from the Jeff Hundt feedlot	Zero
2/9/07	Op-owned pond 4 mi S of Mt. Ayr, Ringgold Co.	Gary Bjstrom confinement; line plugged when flushing shallow manure storage pits under confinement	Zero
2/5/07	Did not reach branch of Tipton Creek in Hamilton County	Prestage Farms 205. Frozen pipe burst when flushing manure from building to storage lagoon	Zero
		Crop Production Services, a fiberglass container being filled with liquid fertilizer	
1/29/07	North Maquoketa River near Dyersville	leaked into storm sewer	unknown
12/22/06	Dry Creek tributary in Sioux County	Land applied manure to frozen soybean field ran off into stream, 8 mi NW of Sioux Cen	unknown

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12/22/06 Sixmile Creek tributary in Sioux County	Farmers Coop Society feedlot 2 mi W of Sioux Center, agitating manure in storage basin discharged	Zero
11/8/06 Unnamed tributary of Raccoon River in SE Sac County	An umbilical hose coupling broke when the Pit Crew of Auburn was pumping manure	none reported
11/7/06 Within 75 feet of Paint Creek near Waterville	A semi-tractor carrying liquid manure rolled over on the south edge of Waterville	Zero
10/23/06 Eddyville, small creek	Loren Van Zante, earthen basin leaked	none reported
10/20/06 3.4 mile stretch of Prairie Creek in Benton Co near Keystone	Commercial manure applicator Ross McCaw's hose coupling broke about 50 feet from the stream	22,000
10/16/06 southeast of Winfield in Henry Co	An umbilical hose collar came loose; manure entered underground tile line running into a dry creek bed	Zero
9/28/06 Cedar Isl Wild Area app 2 miles E of La Porte City	140-head cattle open feedlot manure pooled, did not reach Rock Creek	Zero
9/19/06 Beaver Creek, 6 mi NW of Riceville	Dale McCarthy, valve failed and about 4,000 gallons of manure was released	"a few minnows"
8/30/06 Conduit Creek near LeClaire in Scott County	heavy rains, field tests indicated high levels of ammonia	hundreds
8/21/06 middle Raccoon south of Carroll	appears to have been a result of natural causes, but the DNR will continue to investigate	38
8/21/06 Rockwell City - Lake Creek and a trib	manure running from a hog operation owned by L Wuebker of Rockwell City following rain	>5,000
8/11/06 Lynnville, Jasper Co.	open feedlot containing hogs owned by "Junior" Van Gorp and located near Sully	several hundred
8/8/06 Iowa River, Iowa Falls	algal bloom	unknown
8/8/06 Little Wapsinicon near Elma	Large dead fish and live small fish could indicate that low oxygen levels caused the fish kill	several large
8/4/06 Stony Creek north of Everly	Recent heavy rains likely washed manure into many NW Iowa streams w/low flow conditions	100s chubs
8/4/06 Pool 10 of Miss River, Guttenberg	naturally occurring low summer dissolved oxygen levels	200 game fish
8/3/06 Willow Creek near Royal	Recent heavy rains likely washed manure into many NW Iowa streams w/low flow conditions	unknown
7/27/06 N Fork Maquoketa, New Vienna, Dubuque Co	manure storage facilities at Mike Schieltz cattle and hog open feedlots overflow	unknown
7/26/06 Otter Creek near Sibley in Osceola Co	animal manure	hundreds
7/21/06 Farley, Johns Creek and unnamed trib of Whitewater Creek	many small dairy and feeder cattle ops, pasture and a few open hog feedlots border streams	no live or dead
7/19/06 Prairie Creek, Keystone, Benton Co	open feedlot owned by Charles Wauters of rural Keystone	unknown
7/12/06 backwater of Cedar River north of Waverly	natural causes	unknown
7/11/06 Des Moines River, Ottumwa to Bonaparte	diseased shovelnose sturgeon	unknown
7/11/06 School Creek east of Iowa Falls	waste water generated from a biodiesel plant operated by Cargill	600
5/24/06 Soldier Creek, Fort Dodge	unknown	unknown
12/27/05 Storm Creek north of Carroll, west of Lidderdale		
12/23/05 Buck Run Creek		
12/22/05 Elk Run Creek	runoff from two open feedlots	
12/16/05 Brushy Creek, a trib of South Raccoon River	10-12 sources of manure runoff most likely from small open feedlots	
11/12/05 unnamed tributary of the North Fork Maquoketa River, Delaware Co	Goebel tank overturned, spilled 8k gallons; manure source is Steve and Doug Turnis dairy op	small number
9/3/05 Little Turkey River six miles N of Lawler in Chickasaw Co	DNR had difficulty finding responsible party due to elapsed time between occurrence and report	694
8/20/05 Tete Des Morte Creek in Jackson County		hundreds
8/19/05 west branch of South Cedar Creek	Manure overflow from containment basin of 165-head dairy op owned by Carrol Harbaugh	2,226
8/14/05 Blue Creek south of Walker	rainfall may have washed some pollutants into the stream	15
8/12/05 John's Creek south of Farley	by a lightning strike during a heavy rainstorm or by a combo of storm runoff from several sources	a few
8/3/05 a trib of Crane Creek to Crane Creek in Black Hawk Co.	collapse of storage tank w/app 22,500 gallons of 28% nitrogen fertilizer at Jim Fettekether site NW of Dunk	26,000
8/2/05 Roberts Creek in Clayton Co	manure release by employee at Charles Deering hog op during storage pit draining	8,000
4/7/05 the intersection of Highway 18 and W Avenue in Fayette County	D & J Pumping tanker tipped, spilling about 6,000 gallons of manure from Gold Standard Farms	none
3/9/05 unnamed tributary to Penn Creek near Earlville	Overflowing storage pit at Tom Engelken dairy cattle confinement	none

## Manure Spills and Fish Kills

Sioux County

Lyon County

Montgomery County

Fremont County

Cass County

Bear Creek north of Petersburg

Dekker Feedlot authorized to discharge due to 25-year rain event. Has NPDES

Jansma Feedlot authorized to discharge due to 25-year rain event. Has NPDES

Phelps Feedlot authorized to discharge due to 25-year rain event. Has NPDES

Gregory Feedlot authorized to discharge due to 25-year rain event. Has NPDES

JDH Feedlot authorized to discharge due to 25-year rain event. Has NPDES

manure from Martin Kruse's dairy operation, located directly along Bear Creek, entered the stream