



# Missouri Department of Transportation

## Illicit Discharge Detection and Elimination



### Examples of Acceptable Non-Stormwater Discharges (assuming wastewater is not used)

Landscape Irrigation

Rising Groundwater

Bridge washing/flushing

Street wash water

Discharges from potable water sources

Footing drains

Lawn watering

### Illicit discharge detection and elimination

is one of six minimum control measures MoDOT is required to include in its stormwater management program to meet the conditions of its Municipal Separate Storm Sewer, or MS4, Permit. This fact sheet summarizes the general requirements and how to satisfy them.

#### What is an “illicit discharge”?

Any discharge to an MS4 that is not composed entirely of stormwater, with some exceptions (left).

#### What is an “illicit connection”?

Any drain or conveyance, whether on the surface or underground, which allows an illicit (illegal) connection non-stormwater discharge to enter the storm drain system.

#### Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt and other pollutants, and flow into MoDOT’s storm drain system or directly into a stream, river, lake, pond, reservoir or wetland. Anything that enters MoDOT’s storm drain system is discharged untreated into the waterways we use for fishing, swimming and providing drinking water.





**What is Required?**

- Develop, implement and enforce an illicit discharge detection and elimination program.
- A storm sewer map showing locations of all outfalls, and the names and locations of all waters of the United States that receive discharges from those outfalls.
  - A plan to detect and address non-stormwater discharges, including illegal dumping, into the MS4.
  - An education component for employees, businesses and general public about the hazards associated with illegal dumping and improper disposal of waste.

**The Plan**

- 1. Locate problem areas.** Identify problem areas based on likelihood of illicit connections.
- 2. Find the source.** To the best ability, locate the potential source.
- 3. Report the location.** Reporting is done to the county health department for wastewater issues.
- 4. Clean up litter or spills.**
- 5. Report location and pollutant to:**

**MoDOT Stormwater Compliance Coordinator**  
Stormwater@modot.mo.gov  
(573) 751-2790, for MS4 reporting.

**LOOK FOR**

- |                   |                          |
|-------------------|--------------------------|
| <b>Floatables</b> | <b>Turbidity</b>         |
| <b>Oily sheen</b> | <b>Water color</b>       |
| <b>Foam</b>       | <b>Surface scum odor</b> |



See attached listing of local county health department contacts.

Evidence of illicit discharges can be seen from observing outfalls that collect run-off. When the outfall is discharging a flow during dry weather, there could be a problem.



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**Barry County Health Department**  
65 Main Street  
P.O. Box 207  
Cassville, MO 65625-9400  
Telephone: 417/847-2114 or 847-2115  
Fax: 417/847-2116  
WIC: 417/847-3117

Roger Brock, Administrator  
[E-mail: Roger.Brock@lpha.mopublic.org](mailto:Roger.Brock@lpha.mopublic.org)  
[Website: www.barrycountyhealth.org](http://www.barrycountyhealth.org)  
Region D

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**Barton County Health Department**  
1301 East 12<sup>th</sup> Street  
Lamar, MO 64759-2182  
Telephone: 417/682-3363/4 or 682-5547  
Fax: 417/682-5548

Joel Dermott, Administrator  
[Email: jdermott@bchdhealth.com](mailto:jdermott@bchdhealth.com)  
[Website: www.bchdhealth.com](http://www.bchdhealth.com)  
Region D

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**Bates County Health Center**  
501 North Orange  
P.O. Box 178  
Butler, MO 64730-1325  
Telephone: 660/679-6108  
Fax: 660/679-6022

Mylissa "Jody" Welston, RN, Administrator  
[E-mail: Jody.Welston@lpha.mopublic.org](mailto:Jody.Welston@lpha.mopublic.org)  
[Website: www.batescountyhealthcenter.org](http://www.batescountyhealthcenter.org)  
Region A

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**Benton County Health Department**  
1238 Commercial Street  
P.O. Box 935  
Warsaw, MO 65355-3157  
Telephone: 660/438-2876  
Fax: 660/438-5746

Linda Viebrock, Administrator  
[E-mail: linda.viebrock@lpha.mopublic.org](mailto:linda.viebrock@lpha.mopublic.org)  
[Website: http://benton.lphamo.org](http://benton.lphamo.org)  
Region A

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**Cedar County Health Department**  
1317 South Highway 32  
El Dorado Springs, MO 64744-2302  
Telephone: 417/876-5477  
Fax: 417/876-5017  
WIC: 417/876-6624

Jana Witt, Administrator  
[E-mail: jwitt@ccmh.co](mailto:jwitt@ccmh.co)  
Jenean Ehlers, RN, Manager of Community Services  
[E-mail: jeblers@ccmh.co](mailto:jeblers@ccmh.co)

**Cedar County Health Department**  
807 Owen Mill Road  
Stockton, MO 65785-8359  
Telephone: 417/276-6416  
Fax: 417/276-3242

Jenean Ehlers, RN, Manager of Community Services  
[E-mail: jeblers@ccmh.co](mailto:jeblers@ccmh.co)

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**Christian County Health Department**  
301 East Brick Street  
P.O. Box 340  
Ozark, MO 65721-6682  
Telephone: 417/581-7285  
Fax: 417/581-6130  
Sanitation: 417/581-8183

Cindy Bilyeu, Administrator  
[E-mail: bilyec@lpha.mopublic.org](mailto:bilyec@lpha.mopublic.org)  
[Website: http://www.christiancountyhealth.com](http://www.christiancountyhealth.com)  
Region D

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**Dade County Health Department**  
413 W. Water Street  
Greenfield, MO 65661-1353  
Telephone: 417/637-2345 or 2347  
Fax: 417/637-2507

Pamela Allen, Administrator  
[E-mail: AllenP1@lpha.mopublic.org](mailto:AllenP1@lpha.mopublic.org)  
[Website: http://dadecountyhealthdept.com/](http://dadecountyhealthdept.com/)  
Region D

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**Dallas County Health Department**  
1011 West Main  
P.O. Box 199  
Buffalo, MO 65622-8679  
Telephone: 417/345-2332  
Fax: 417/345-2025

Cheryl Eversole, Administrator  
[E-mail: eversc2@lpha.mopublic.org](mailto:eversc2@lpha.mopublic.org)  
[Website: http://www.dallascountyhealth.com/](http://www.dallascountyhealth.com/)  
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**Springfield/Greene County Health Department**  
227 East Chestnut Expressway  
Springfield, MO 65802-3847  
Telephone: 417/864-1658  
Fax: 417/864-1099  
Administration: 417/864-1657

Clay Goddard, Director  
[E-mail: CGoddard@springfieldmo.gov](mailto:CGoddard@springfieldmo.gov)  
[Website: http://www.health.springfieldmo.gov](http://www.health.springfieldmo.gov)  
Region D

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**Henry County Health Center**  
1800 Community Drive  
Clinton, MO 64735-2106  
Telephone: 660/885-8193 or 8194  
Fax: 660/885 7744  
WIC: 660/885-8195

Peggy Bowles, Administrator  
[E-mail: Peggy.Bowles@lpha.mo.gov](mailto:Peggy.Bowles@lpha.mo.gov)  
[Website: http://henrycohealth.org/](http://henrycohealth.org/)  
Region A

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**Hickory County Health Department**  
201 Cedar Street  
P.O. Box 21  
Hermitage, MO 65668-9218  
Telephone: 417/745-2138/9 or 745-6628  
Fax: 417/745-2400

Dawn Vader, Administrator  
[E-mail: VADERD@HICKORYCOUNTYHEALTH.ORG](mailto:VADERD@HICKORYCOUNTYHEALTH.ORG)  
[Website: http://www.hickorycountyhealth.org/](http://www.hickorycountyhealth.org/)  
Region D

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**Jasper County Health Department**  
105 Lincoln  
Carthage, MO 64836-1512  
Telephone: 417/358-3111  
Fax: 417/358-0494  
Env. Health: 417/358-0481  
Lead Program: 417/358-0480

Anthony (Tony) Moehr, EPHS III-Administrator  
[E-mail Tony.Moeh@lpha.mopublic.org](mailto:Tony.Moeh@lpha.mopublic.org)  
[Website: www.jaspercounty.org/health](http://www.jaspercounty.org/health) Region D

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**Joplin City Health Department**

321 East 4<sup>th</sup> Street  
Joplin, MO 64801-2208  
Telephone: 417/623-6122 or 623-6123  
Fax: 417/624-6453

Daniel Pekarek, BS-Director

[E-mail Dpekarek@joplinmo.org](mailto:Dpekarek@joplinmo.org)

[Website: http://www.joplinmo.org](http://www.joplinmo.org)

Region D

**WIC Division**

321 East 4<sup>th</sup> Street  
Joplin, MO 64801  
WIC: 417/623-1928  
WIC Fax: 417/625-4753  
HIV/AIDS Care Coordination: 417/624-5788

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**Lawrence County Health Department**

105 West North Street  
Mt. Vernon, MO 65712-1017  
Telephone: 417/466-2201  
Fax: 417/466-7485

Janella Spencer, Administrator

[E-mail Janella.Spencer@lpha.mopublic.org](mailto:Janella.Spencer@lpha.mopublic.org)

[Website: http://lawrencecohealth.com](http://lawrencecohealth.com)

Region D

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**McDonald County Health Department**

500 Olin Street  
P.O. Box 366  
Pineville, MO 64856-0366  
Telephone: 417/223-4351 or 4352  
Fax: 417/223-4109

Paige Behm, Administrator

[E-mail paige.behm@lpha.mopublic.org](mailto:paige.behm@lpha.mopublic.org)

[Website: http://mcdonaldcountyhealth.com/](http://mcdonaldcountyhealth.com/)

Region D

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**Newton County Health Department**

812 West Harmony  
P.O. Box 447  
Neosho, MO 64850-1627  
Telephone: 417/451-3743  
Fax: 417/451-1852  
Environmental: 417/451-6549

Larry Bergner, MPA, Administrator

[E-mail: BergnerL@newtoncountyhealth.org](mailto:BergnerL@newtoncountyhealth.org)

[Website: www.newtoncountyhealth.org](http://www.newtoncountyhealth.org)

Region D

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**Polk County Health Center**

1317 West Broadway  
P.O. Box 124  
Bolivar, MO 65613-1814  
Telephone: 417/326-7250  
Fax: 417/326-2766

Michelle Morris, Administrator

[E-mail: MICHELLE.MORRIS@POLKCOUNTYHEALTH.ORG](mailto:MICHELLE.MORRIS@POLKCOUNTYHEALTH.ORG)

[Website: www.polkcountyhealth.net](http://www.polkcountyhealth.net) Region D

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**St. Clair County Health Center**

530 Arduser Drive  
Osceola, MO 64776-6284  
Telephone: 417/646-8332 or 8157/8  
Fax: 417/646-8159

Nancy Stephan, Administrator

[E-mail Nancy.Stephan@lpha.mo.gov](mailto:Nancy.Stephan@lpha.mo.gov)

[Website: http://stclaircountyhealth.net](http://stclaircountyhealth.net)

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**Stone County Health Department**

109 East 4<sup>th</sup> Street  
Galena, MO 65656-9649  
Telephone: 417/357-6134  
Fax: 417/357-6031

Pam Burnett, Administrator

[E-mail: Pam.Burnett@lpha.mo.gov](mailto:Pam.Burnett@lpha.mo.gov)

[Website: www.stonecountyhealthdepartment.com](http://www.stonecountyhealthdepartment.com)

Region D

**Stone County Health Department - Branson West Office**

15765 State Hwy 13 Ste. 1  
Branson, MO 65737  
Telephone: 417/272-0050  
Fax: 417/272-9058

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**Taney County Health Department**

15479 U.S. Highway 160 (*physical address*)  
P.O. Box 369 (*only use for mailing letters*)  
Forsyth, MO 65653-0369  
Telephone: 417/546-4725  
Fax: 417/546-4727

Lisa Marshall, MS, RD, LD, Director & PIO

[E-mail: Lisa.Marshall@lpha.mo.gov](mailto:Lisa.Marshall@lpha.mo.gov)

[Website: http://www.taneycohealth.org](http://www.taneycohealth.org)

Region D

**Taney County Health Department - Branson Office**

320 Rinehart Road  
Branson, MO 65616  
Telephone: 417/334-4544  
Fax: 417/335-5727

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**Vernon County Health Department**

301 North Washington  
Nevada, MO 64772-2344  
Telephone: 417/667-7418  
Fax: 417/667-4131

Steve Durnell, Administrator

[E-mail: Steve.Durnell@lpha.mo.gov](mailto:Steve.Durnell@lpha.mo.gov)

Region D

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**Webster County Health Unit**

233 East Washington  
Marshfield, MO 65706-1859  
Telephone: 417/859-2532 x204  
Fax: 417/859-6192

Terre Banks, RN, BSN, Administrator

[E-mail: tbanks@webstercohealth.com](mailto:tbanks@webstercohealth.com)

[Website: http://www.webstercohealth.com](http://www.webstercohealth.com)

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