Welcome to the ADOT Stormwater Management Plan Annual Workshop

Presented by ADOT Water Resources in compliance with ADEQ Permit No. AZS0000018-2021

Objective

Inform and engage the public about ADOT's Stormwater Management Plan and IDDE program

Let's Review the Basics

- Municipal Separate Storm Sewer System (MS4) Permit
- Stormwater Management Plan (SWMP)

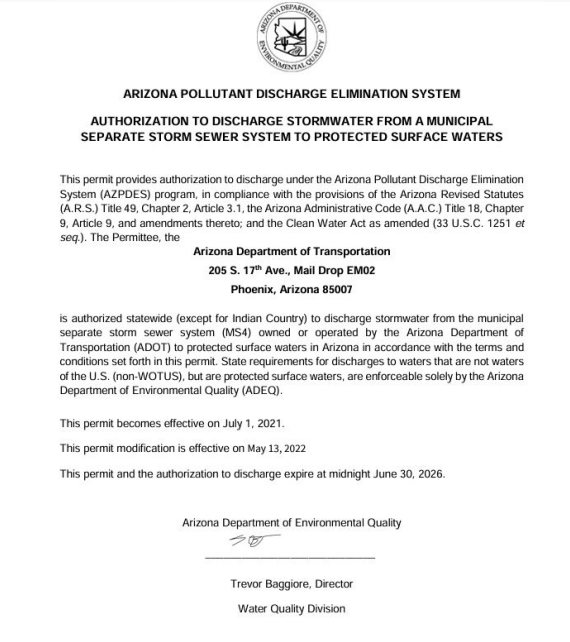
What is ADOT's MS4 permit?

Issuing Authority:

- Arizona Department of Environmental Quality (ADEQ)

Permit

- AZS0000018-2021
- Effective 7/1/2021
- Expires 6/30/2026



ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AUTHORIZATION TO DISCHARGE STORMWATER FROM A MUNICIPAL SEPARATE STORM SEWER SYSTEM TO PROTECTED SURFACE WATERS

This permit provides authorization to discharge under the Arizona Pollutant Discharge Elimination System (AZPDES) program, in compliance with the provisions of the Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Article 3.1, the Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Article 9, and amendments thereto; and the Clean Water Act as amended (33 U.S.C. 1251 *et seq.*). The Permittee, the

Arizona Department of Transportation
205 S. 17th Ave., Mail Drop EM02
Phoenix, Arizona 85007

is authorized statewide (except for Indian Country) to discharge stormwater from the municipal separate storm sewer system (MS4) owned or operated by the Arizona Department of Transportation (ADOT) to protected surface waters in Arizona in accordance with the terms and conditions set forth in this permit. State requirements for discharges to waters that are not waters of the U.S. (non-WOTUS), but are protected surface waters, are enforceable solely by the Arizona Department of Environmental Quality (ADEQ).

This permit becomes effective on July 1, 2021.

This permit modification is effective on May 13, 2022

This permit and the authorization to discharge expire at midnight June 30, 2026.

Arizona Department of Environmental Quality

Trevor Baggiore, Director

Water Quality Division

Purpose:

- Protect surface water quality
- Authorize ADOT to discharge stormwater and certain allowable non-stormwater discharges

What is an MS4?

The term “municipal separate storm sewer system,” or MS4, means any publicly-owned conveyance or system of conveyances used for collecting and moving stormwater that discharges to protected surface waters.

ADOT's MS4

For ADOT, the MS4 includes the drainage systems associated with the statewide highway network and associated facilities. The ADOT MS4 system of conveyances consists of catch basins, curbs, gutters, ditches, man-made channels, and storm drains, to name a few.

Storm Drains

Gutters

Ditches

What is a Stormwater Management Plan?

Stormwater Management Plan (SWMP)

- Required for a Municipal Separate Storm Sewer System (MS4) permit
  - A plan of action for municipalities, counties, and other public entities (such as the Department of Transportation) to identify how they will **manage** and **prevent** the discharge of pollutants in stormwater to receiving water bodies

ADOT's SWMP:

- Blueprint for our stormwater programs.
- Identifies actions to minimize pollutant discharge from our MS4

What is in the SWMP?

The permit identifies several program areas to address in the SWMP:

- Staff Training
- Enforcement Measures and Tracking
- Public Outreach and Education
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Pollution Prevention and Good Housekeeping Practices for Facilities
- Measures to Control Discharges from Highway Operations and Maintenance
- Construction
- Post-Construction
- Monitoring and Assessment

What is in the SWMP?

Th[illegible]am areas to address in the SWMP:

Today's bonus topic!

- Public Ou[illegible]l and Education
- Public In[illegible]nt and Participatio
- **Illicit Discharge Detection and Elimination (IDDE)**
- Pollution Prevention and Good Housekeeping Practices for Facilities
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- Monitoring and Assessment

Illicit Discharge Detection and Elimination

ADOT's program to detect, investigate and eliminate non-stormwater discharges, including dumping and spills, includes:

- Mapping/GIS
- Routine inspections and screening
- Investigations/Source Detection
- Elimination/Legal action

What is an illicit discharge?

An illicit discharge is defined as any discharge to a MS4 that is not composed entirely of stormwater.

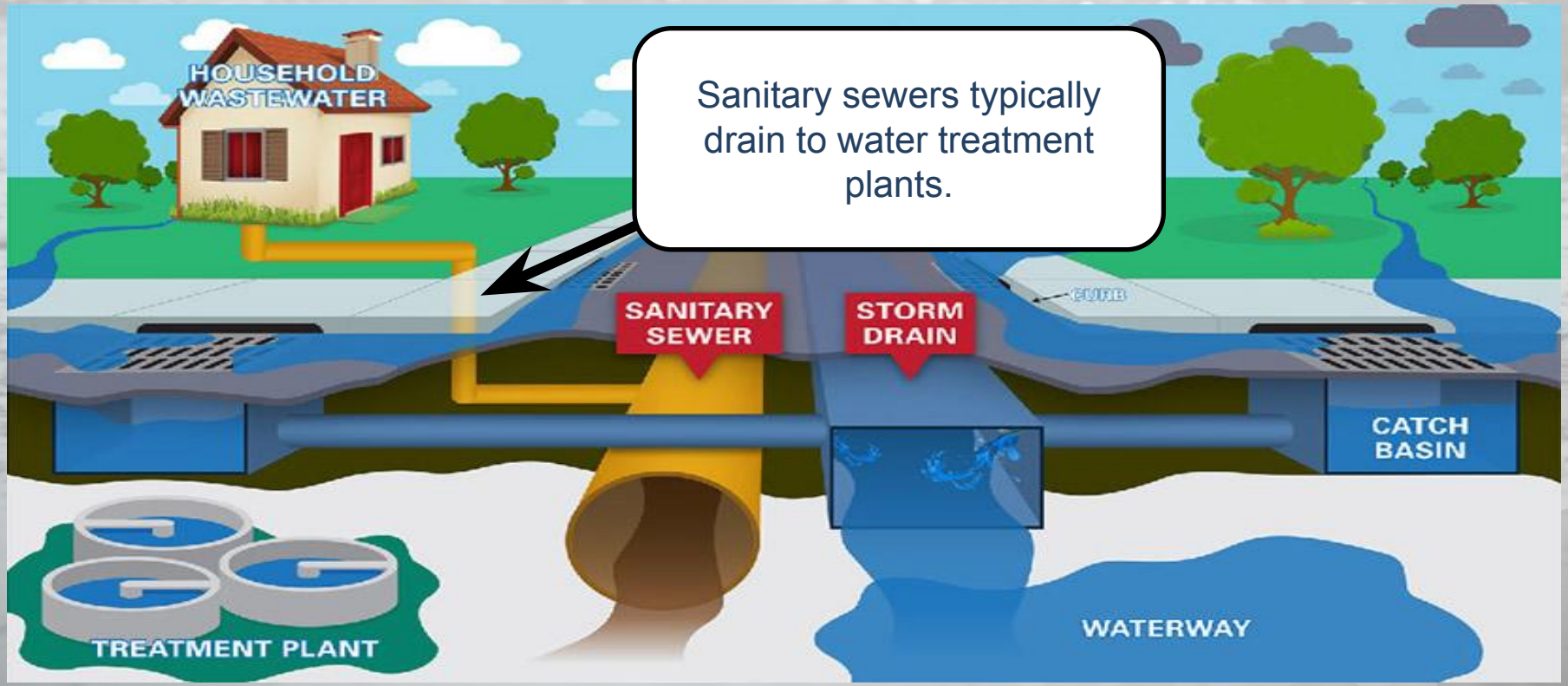
Illicit connections are defined as any man-made conveyance that connects an illicit discharge directly to the MS4.

Here, som… into a storm drain, demonstrating an illicit discharge in action

ONLY RAIN IN THE STORM DRAIN!

…horized …o ADOT drainage features and treat them as illicit discharge cases, whether anything is observed coming out of the hose/pipe at the time.

Why are illicit discharges a problem?



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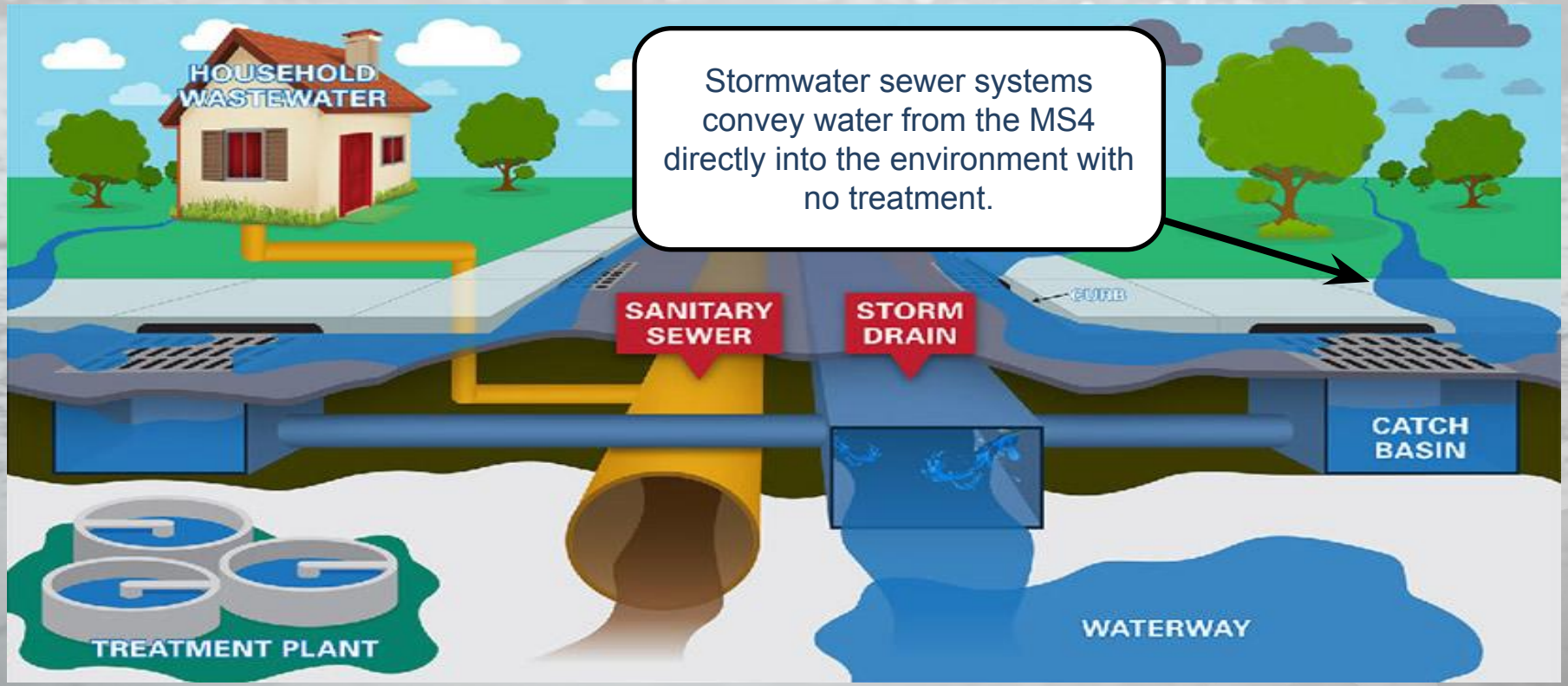

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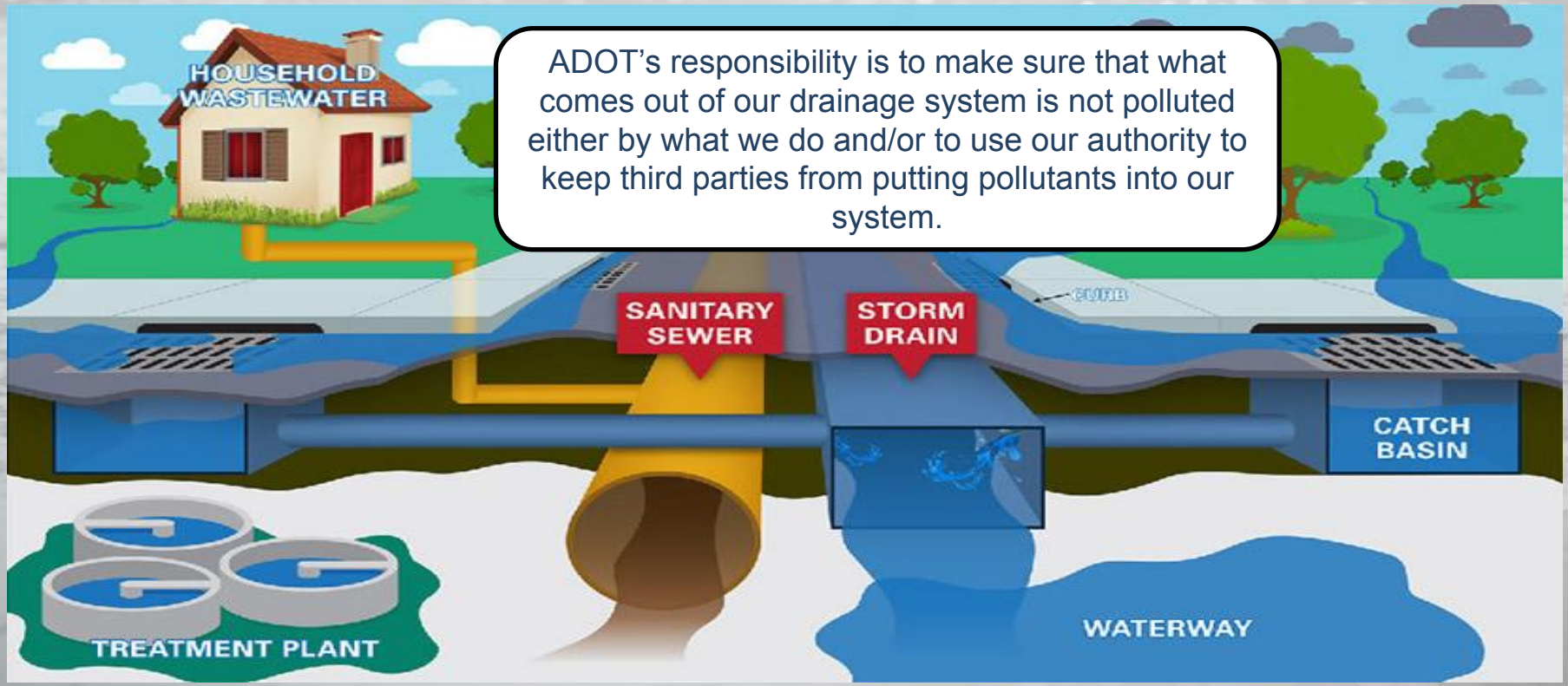


What can I do?

Members of the public, as well as ADOT personnel, can help stop illicit discharges and protect surface waters!

If you see something, say something!

Recent real life examples of illicit discharge cases

EMERGENCY SPILLS/RELEASES DISCHARGES

Here, a tanker truck released a load of molten chocolate onto I-40. Cleanup activities for these incidents are coordinated by the emergency response team and ADOT District personnel as appropriate.

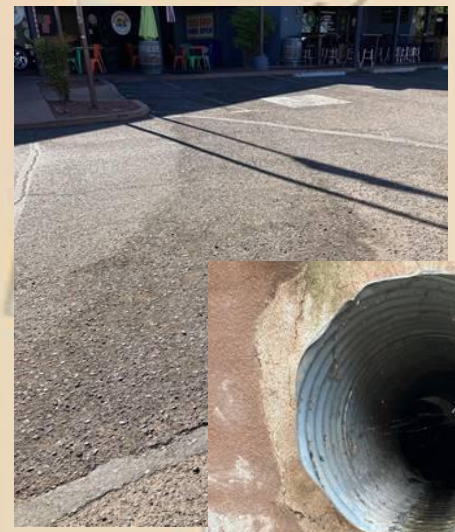
Water Resources receives notices of the events from the response team and tracks them in accordance with our stormwater permit.

Trash B. Gon

TRASH DISCHARGE

Trash deposited in the roadway is an illicit discharge and is handled by the ADOT District and the Adopt A Highway (AAH) program. AAH is an important part of ADOT's Stormwater Management Program.

Water Resources coordinates with Districts and AAH to collect relevant data for the annual report.

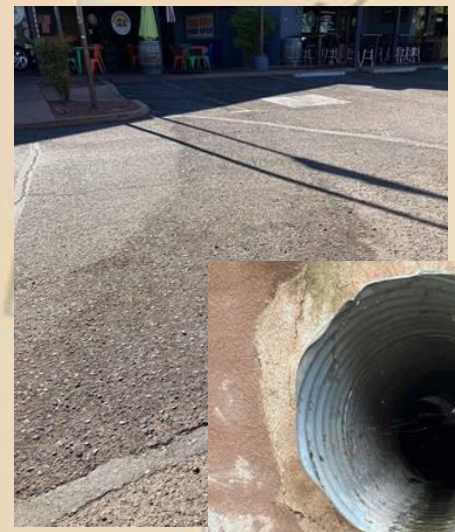


Greas E. Mop

GREASE DISCHARGE

A culvert discharging non-stormwater into the SR 179 R/W, discovered during routine inspection by Water Resources personnel. It had not rained in weeks and the flow was stinky and slimy. It was discovered that a business was dumping their mop water into the parking lot above which drained into the ADOT storm sewer, which then empties directly into Oak Creek.

Greas E. Mop



GREASE DISCHARGE

ADOT coordinated with the local municipality and the business owner to educate the staff on proper disposal of waste water.

ADOT continues to monitor the area to ensure that the discharge has stopped.

Wish E. Washy

WASHWATER DISCHARGES

A car wash discharging wastewater into US 60 roadway in Wickenburg. Reported to Water Resources by ADOT personnel updating system mapping in the area.

ADOT coordinated with the local municipality to notify the business owner and have controls installed at the car wash to prevent future runoff entering the US 60 drainage system.

If you see something, say something!

Report possible illicit discharges in ADOT's system!

- If it's an emergency, call 911!
- ADOT's general information tool: https://apps.azdot.gov/contact_adot/
- ADOT Water Resources general email: ADOTWater@azdot.gov
- ADOT personnel: contact your District Environmental Coordinator (DEC); if your unit does not have a DEC, please send your concerns to ADOTWater@azdot.gov

Where can I view the current ADOT permit and SWMP?

The permit, fact sheet, and the Stormwater Management Plan can be viewed here:

Permit, Fact Sheet and SWMP

(https://azdot.gov/stormwater)

Questions or Comments?

Comments and questions can be submitted to ADOT regarding the SWMP via:

- Email to ADOTWater@azdot.gov
- By mail to ADOT Water Resources, Attn: SWMP Comments, 205 S. 17th Ave., Phoenix AZ 85007.

Thank you for participating!