



**ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY**



AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 92122

Report #: 73094

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

AZPDES SMALL MS4 ANNUAL REPORT - SUMMARY

Company:

Name: CITY OF SEDONA - ENGINEERING SERVICES

Question: Which permit/registration/certificate is this report for?

Answer: 11/29/2021 - 06/30/2022

Question: Did you assess and evaluate the Stormwater Management Program (SWMP) as part of preparing the Annual Report, per permit Section 4.0?

Answer: Yes

Question: Did you have another entity implement control measures on behalf of the MS4 per permit Section 6.0(2)? If Yes, identify the entity and give a brief explanation of their involvement.

Answer: No

Question: Did you provide outreach and education to the public on the stormwater program issues and requirements, per permit Section 6.1(1)?

Answer: Yes

Identify the target group for outreach and education:

Residential Community

Identify the topic(s) for the target group:

Stormwater runoff issues and residential stormwater management practices

Potential water quality impacts of application of pesticides, herbicides and fertilizer and control measures to minimize runoff of pollutants in stormwater

Potential impacts of animal waste on water quality and the need to clean up and properly dispose of pet waste to minimize runoff of pollutants in stormwater

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Illicit discharges and illegal dumping, proper management of non-stormwater discharges, and to provide information on reporting spills, dumping, and illicit discharges

Installation of catch basin markers or stenciling of storm sewer inlets to minimize illicit discharges and illegal dumping to storm sewer system

Community activities (monitoring programs, environmental protection organization activities, etc.)

Describe how the message was conveyed to the target group:

Seven outreach events conducted : 10/30/2021 - 38 people reached (Farmers Market) ** 11/7/2021 - 35 people reached (Farmers Market) ** 11/14/2021 - 34 people reached (Farmers Market) ** 11/21/2021 - 26 people reached (Farmers Market) ** 12/5/2021 - 31 people reached (Farmers Market) ** 12/12/2021 - 36 people reached (Farmers Market) ** 4/24/2021 - 35 people reached Earth Day Celebration **** For the outreach events, a three-dimensional model of Oak Creek watershed and a three-dimensional model of the City of Sedona were present to provide insight to people as to how waters flow to the creek and how Sedona residents and visitors impact Oak Creek, whether through pet waste, lawn care, or similar activities. **** New curb markers installed along new shared use paths thorough-out the city and older installed markers verified and replaced as necessary. **** Trash pick-up events (three events, 26 volunteers, 236.4 pounds of trash removed): Event 1: 12/6/2021 - six volunteers removed 68 pounds of trash along Oak Creek in the Tlaquepaque area/SR179 bridge over Oak Creek. ** Event 2: 5/12/2022 - fourteen volunteers removed 160 pounds of trash from Sunset Park and Carol Canyon tributary. ** Event 3: 5/18/2022 - six volunteers cleaned an area that drains to Dry Creek, collected over 200 pieces of toilet paper, four diapers, three bags of dog feces, and multiple cigarette butts (total 8.4 pounds). **** Open house regarding new floodplain study and one on one meetings with staff answering questions regarding stormwater (6/29/2022).

Describe measures/methods used to assess the effectiveness of the message conveyed to the target group:

Our community is passionate about stormwater cleanliness, and alert city staff to concerns discovered. While difficult to assess; city believes that any outreach activity is beneficial and leads to success minimizing future pollution events from taking place.

Identify the target group for outreach and education:

General Public

Identify the topic(s) for the target group:

Stormwater runoff issues and residential stormwater management practices

Potential water quality impacts of application of pesticides, herbicides and fertilizer and control measures to minimize runoff of pollutants in stormwater

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Potential impacts of animal waste on water quality and the need to clean up and properly dispose of pet waste to minimize runoff of pollutants in stormwater

Illicit discharges and illegal dumping, proper management of non-stormwater discharges, and to provide information on reporting spills, dumping, and illicit discharges

Installation of catch basin markers or stenciling of storm sewer inlets to minimize illicit discharges and illegal dumping to storm sewer system

Community activities (monitoring programs, environmental protection organization activities, etc.)

Describe how the message was conveyed to the target group:

Seven outreach events conducted : 10/30/2021 - 38 people reached (Farmers Market) ** 11/7/2021 - 35 people reached (Farmers Market) ** 11/14/2021 - 34 people reached (Farmers Market) ** 11/21/2021 - 26 people reached (Farmers Market) ** 12/5/2021 - 31 people reached (Farmers Market) ** 12/12/2021 - 36 people reached (Farmers Market) ** 4/24/2021 - 35 people reached Earth Day Celebration **** For the outreach events, a three-dimensional model of Oak Creek watershed and a three-dimensional model of the City of Sedona were present to provide insight to people as to how waters flow to the creek and how Sedona residents and visitors impact Oak Creek, whether through pet waste, lawn care, or similar activities. **** New curb markers installed along new shared use paths thorough-out the city and older installed markers verified and replaced as necessary. **** Trash pick-up events (three events, 26 volunteers, 236.4 pounds of trash removed): Event 1: 12/6/2021 - six volunteers removed 68 pounds of trash along Oak Creek in the Tlaquepaque area/SR179 bridge over Oak Creek. ** Event 2: 5/12/2022 - fourteen volunteers removed 160 pounds of trash from Sunset Park and Carol Canyon tributary. ** Event 3: 5/18/2022 - six volunteers cleaned an area that drains to Dry Creek, collected over 200 pieces of toilet paper, four diapers, three bags of dog feces, and multiple cigarette butts (total 8.4 pounds). **** Open house regarding new floodplain study and one on one meetings with staff answering questions regarding stormwater (6/29/2022).

Describe measures/methods used to assess the effectiveness of the message conveyed to the target group:

Our community is passionate about stormwater cleanliness, and alert city staff to concerns discovered. While difficult to assess; city believes that any outreach activity is beneficial and leads to success minimizing future pollution events from taking place.

Question: Did you provide outreach and education to the public on the stormwater program issues and requirements, per permit Section 6.1(2)?

Answer: Yes

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Identify the target group for outreach and education:

Targeted Sources or Types of Businesses (industrial or commercial)

Identify the topic(s) for the target group:

Illicit discharges and proper management of non-stormwater discharges

Spill prevention, proper handling of toxic and hazardous materials, and measures to contain and minimize discharges to the storm sewer system

Proper management and disposal of used oil and other hazardous or toxic materials, including practices to minimize exposure of materials/wastes to rainfall and minimize contamination of stormwater runoff

Stormwater management practices, pollution prevention plans, and facility maintenance procedures

Describe how the message was conveyed to the target group:

An open letter was sent to refuse haulers in the City of Sedona. This letter outlined proper maintenance on vehicles and spill response should one take place. **** Two MS4 newsletters directed to general Sedona businesses to provide information regarding the following: First Newsletter: (1) General MS4 information - what it is, and why it is important. (2) Fertilizer and chemical usage - proper use and/or switching to organic/natural fertilizers and pesticides. (3) Providing clearly marked trash receptacles and providing pet waste station(s) for visitors and frequently emptying pet waste into a proper waste receptacle. (4) Use of or switching to biodegradable cleaning products. (5) Make sure the grounds of the property is clear of any trash, exposed soil/lawn trimmings are covered and secured, and consideration of other grounds/lawn management practices conducive to the southwestern arid environment. (6) Identifying where stormwater grates and drainages occur on your property, and allow the City of Sedona to install curb markers near storm grates informing workers and visitors where the drainage goes. (7) Educating workers on best management practices throughout their employment through online workshops or informal classes ** Second Newsletter: (1) Informing customers and visitors of the seven leave no trace (LNT) principles which include such items as camping and walking on durable surfaces, respecting wildlife, leaving what you find, disposing of all waste properly, including dog poop (packing it in, packing it out), planning ahead and preparing for one's outing, and being considerate to others. (2) Prevent pollution on your property: have readily available and clearly marked trash bins, provide bags and bin(s) for pet waste, allow the City of Sedona to install placards on curbs where storm grates reside to remind visitors and employees alike about how the storm grate leads to Oak Creek. (3) Have a #RecreateResponsibly infographic, sign, or informational packet informing people of how to recreate responsibly with the increase of recreation on public lands during the COVID-19 pandemic. More information about the #RecreateResponsibly movement can be found at recreateresponsibly.org. (4) Have your customers/visitors review and complete the Sedona Cares Pledge at <https://visitsedona.com/sustainable-tourism-plan/sedona-cares-pledge/> to help promote and encourage Sedona's sustainability plan. **** Open house regarding new floodplain study and one on one meetings with staff answering questions regarding stormwater (6/29/2022).

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Describe measures/methods used to assess the effectiveness of the message conveyed to the target group:

Business owners and operators are cognizant of stormwater cleanliness and desire to be good stewards. While difficult to assess or quantify other than examining trends in IDDE and other quantifiable trends, the city believes that any outreach is positive and helps provide knowledge and minimize future pollution events.

Question: Did you post the SWMP and the current Annual Report on your website, per permit Section 6.2(1)?

Answer: Yes

Upload the SWMP.

File Name: AZPDES MS4 PERMIT AZG2021-002.pdf

File Name: DRAFT - Stormwater Management Plan_May 2022.pdf

Question: Did you provide and publicize a reporting system to facilitate and track public reporting of spills, discharges and/or dumping to the MS4 on a continuous basis, per permit Section 6.2(4)?

Answer: Yes

Question: Provide a narrative description of the status of the storm sewer mapping, per permit Section 6.3(1).

Answer: City storm sewer mapping is complete; it is an internally viewable layer within city GIS. The city has three outfalls.

Question: Did you establish an ordinance or other regulatory mechanism for enforcement procedures of the Illicit Discharge Detection & Elimination (IDDE) Program, per permit Section 6.3(2)?

Answer: Yes

What is the citation of the ordinance or other regulatory mechanism to prohibit

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

non-stormwater discharges into the MS4?

City Code Title 13 Division II Storm Water Chapter 13.50 Storm Water Discharge; Land Development Code Article 5 Development Standards Section 5.3 Grading and Drainage and Article 8 Administration and Procedures.

Question: Did you establish or update the Statement of IDDE Program Responsibilities, per permit Section 6.3(3)?

Answer: Yes

Provide IDDE activities in a tabular format, per permit Section 6.3(4).

File Name: 2021-22 Sedona MS4 IDDE Report.xlsx

Question: Did you visually monitor at least 20% of all outfalls during the permit year, per permit Section 6.3(7)?

Answer: Yes

Question: Did you identify indicators of IDDE Program progress or success, per permit Section 6.3(8)?

Answer: Yes

Question: Did you provide annual staff training, per permit Section 6.3(9)?

Answer: Yes

How many staff attended?: 10

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices

How many staff attended?: 32

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices

Question: Did you establish an ordinance or other regulatory mechanism for enforcement procedures of the Construction Activity Stormwater Runoff Control Program, per permit Section 6.4(2)(a)?

Answer: Yes

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

What is the citation of the ordinance or other regulatory mechanism to prohibit non-stormwater discharges into the MS4?

City Code Title 13 DIVISION II Chapter 13.50 Storm Water Section 13.50.090 covers Best Management Practices to mitigate erosion to control Construction Activity Stormwater Runoff.

Question: Did you implement a construction site inventory, per permit Section 6.4(2)(b)?

Answer: Yes

Question: Did you develop written procedures for site plan review, per permit Section 6.4(2)(c)?

Answer: Yes

Question: Did you implement written procedures for site inspections and enforcement control measures, per permit Section 6.4(2)(f)?

Answer: Yes

How many construction site inspections were done?: 114

How many follow-up actions were necessary (re-inspection, enforcement actions)?: 0

Question: Did you develop and implement an educational program focused on erosion and sediment control for construction operators, per permit Section 6.4(2)(h)?

Answer: Yes

Question: Did you develop and implement a program requiring construction operators to control wastes from their sites, per permit Section 6.4(2)(i)?

Answer: Yes

Question: Did you implement procedures to receive and act on information submitted by the public (complaints), per permit Section 6.4(4)?

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Answer: Yes

Question: Did you implement a program that includes a combination of structural and non-structural BMPs, per permit Section 6.5(1)?

Answer: Yes

Question: Did you establish an ordinance or other regulatory mechanism for enforcement procedures of the Post-Construction Stormwater Management, per permit Section 6.5(2)?

Answer: Yes

What is the citation for the ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects?

City Code Title 13 Division II Storm Water Chapter 13.50 Storm Water Discharge, Land Development Code Article 5 Development Standards Section 5.3 Grading and Drainage, and Article 8 Administration and Procedures.

Question: Did you implement a program to prevent or minimize impacts to water quality from stormwater runoff of new development and redevelopment sites, per permit Section 6.5(2)?

Answer: Yes

Question: Did you implement procedures for site plan review, per permit Section 6.5(3)?

Answer: Yes

Question: Did you implement an inventory of post construction site structural stormwater control measures installed within the MS4, per permit Section 6.5(4)?

Answer: Yes

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Question: Did you implement a program to ensure the long-term operation and maintenance of post construction BMPs, per permit Section 6.5(5)?

Answer: No

Please explain why this requirement was not met: The city has a complete, working list of post-construction structural stormwater control measures from developed sites, but is currently updating the list to become 'more searchable', i.e. by location, relevant criteria, size, and purpose, to meet new permit requirements.

Question: Did you implement a program to reduce or eliminate discharges of pollutants from municipal streets, facilities, yards, etc., per permit Section 6.6(1)?

Answer: Yes

Question: Did you implement a program to ensure the long-term operation and maintenance of stormwater BMPs, per permit Section 6.6(2)?

Answer: Yes

Question: Did you develop an inventory of facilities, prioritized based on their risk of discharging non-stormwater, per permit Section 6.6(2)(a)?

Answer: Yes

Question: Did you implement an inspection schedule for prioritized facilities, per permit Section 6.6(2)(c)?

Answer: Yes

Question: Did you implement an annual training program for staff that incorporates pollution prevention and good housekeeping techniques, per permit Section 6.6(2)(f)?

Answer: Yes

How many staff attended?: 10

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices

How many staff attended?: 32

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices.

Question: Did you develop maintenance activities, schedules and long-term inspections to reduce floatables, trash and other pollutants from the MS4, per permit Section 6.6(2)(g)?

Answer: Yes

Question: Does the MS4 discharge to a not-attaining water, impaired water, or an Outstanding Arizona Water (OAW)?

Answer: Yes

CERTIFICATION OF SUBMISSION

MICHAEL J RIGHI

You validated your identity by answering your personal security question and password on myDEQ at **10:49 AM** on **09/30/2022**. At this time, you certified the summary information above by checking that you agreed to the following statement:

Pursuant to A.R.S. § 41-1030:

(1) ADEQ shall not base a licensing decision, in whole or in part, on a requirement or condition not specifically authorized by statute or rule. General authority in a statute does not authorize a requirement or condition unless a rule is made pursuant to it that specifically authorizes the requirement or condition.

(2) Prohibited licensing decisions may be challenged in a private civil action. Relief may be awarded to the prevailing party against ADEQ, including reasonable attorney fees, damages, and all fees associated with the license application.

(3) ADEQ employees may not intentionally or knowingly violate the requirement for specific licensing authority. Violation is cause for disciplinary action or dismissal, pursuant to ADEQ's adopted personnel policy. ADEQ employees are still afforded the immunity in A.R.S. §§ 12-821.01 and 12-820.02.

Certify your submission:

By checking this box I certify under penalty of law that this submittal was prepared by me, or under my direction or supervision of personnel appropriately qualified to properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I understand that all information submitted to ADEQ is public record unless otherwise identified by law as confidential. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov