



**ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY**



AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 92122

Report #: 121661

Phoenix Office

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AZPDES SMALL MS4 ANNUAL REPORT - SUMMARY

Company:

Name: CITY OF SEDONA - ENGINEERING SERVICES

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

Answer: 07/01/2023 - 06/30/2024

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:

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

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

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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

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

Stormwater runoff issues and residential stormwater management practices

Describe how the message was conveyed to the target group:

A total of 17 outreach events were conducted by the Oak Creek Watershed Council (OCWC) during the agreement period (8/1/2023 through 6/30/2024). At these 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. Residents and visitors were amazed to learn that an orange peel can take two years to completely break down – many expressed shock and indicated that they ‘frequently leave behind fruit peels, but will no longer do so’. Of the 17 outreach events, all but one were held within the city. Thirteen were conducted at the Sedona Farmers Market, each approximately 4.5 hours. Three were held at special events (Tlaquepaque’s First Friday in the Galleries on 9/1/23, Sedona WagFest and Fair on 9/14/23, and Sedona Food Truck Festival on 11/4/23). The remaining event was held at Crescent Moon picnic area in Yavapai County just outside of the city boundaries. Litter/trash cleanup events: Oak Creek Watershed Council performed six litter cleanup events, three of which were located in the City of Sedona. Event 1 (within City of Sedona): 10/15/2023 Sunset Park and Tlaquepaque – 17 volunteers collected a total of 42.8 pounds of trash and litter. Event 2 (within City of Sedona): 11/18/2023 Tlaquepaque – 7 volunteers collected a total of 60.0 pounds of trash and litter. Event 3 (within City of Sedona): 4/6/2024 Sunset Park – 12 volunteers collected a total of 59.2 pounds of trash and litter. Two MS4 newsletters were distributed to local Sedona business owners. The first newsletter was aimed at bringing attention to the fact that stormwater in Sedona flows directly into the creek; the second was a more in-depth newsletter specifically covering the impacts of pesticides and fertilizers. During the reporting year, 11 social media posts were posted by OCWC specific to Oak Creek on Facebook and Instagram; these posts resulted in 12,509 impressions across the two social media platforms. City Pet Waste Stations: The City of Sedona operates/maintains 20 pet waste stations located within the city limits. The city empties the waste collected from users and resupplies the bags twice per month. The city collected 5,339.4 pounds of pet waste in FY23 (period from July 1, 2023 through June 30, 2024). An additional pet waste station was added in January 2024 bringing the total to 21 pet waste stations. City Talk article: Two separate articles were published in the Sedona Red Rock News regarding stormwater cleanliness and outreach. The first article, written by Michael Righi, Assistant Engineer, was published 5/22/24 and discussed what residents, businesses, and visitors can do to minimize impacts to Oak Creek, and what the city does in support of Oak Creek. The second article was written by Sandra Phillips P.E., Assistant Public Works Director, and published 6/12/24, and discussed stormwater runoff reduction, recharge of the aquifer,

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and impacts to Oak Creek.

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

Our community is passionate about stormwater pollution prevention and 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:

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

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

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

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

Stormwater runoff issues and residential stormwater management practices

Describe how the message was conveyed to the target group:

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

Our community is passionate about stormwater pollution prevention and 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

Identify the target group for outreach and education:

Construction Site Operators

Identify the topic(s) for the target group:

Illicit discharges and proper management of non-stormwater discharges

Municipal stormwater requirements and stormwater management practices for construction sites

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Planning ordinances and grading and drainage design standards for stormwater management in new developments and significant redevelopments

Post-construction ordinances and long-term maintenance requirements for permanent stormwater controls

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

Water quality impacts associated with land development (including new construction and redevelopment)

Describe how the message was conveyed to the target group:

Contractors are provided with a document titled: Stormwater Pollution Prevention Plan – SWPPP. This single-page handout is provided with every new single-family residential project, i.e., new home, issued with the Public Works Engineering Conditions of Approval, issued with approved permit following review. It provides a reminder of proper installation and placement of the following Best Management Practices: Perimeter and Stockpile, Inlet Protection, and Track Out Protection. Oak Creek Watershed Council distributed two MS4 newsletters to local Sedona business owners. City Talk article: Two separate articles were published in the Sedona Red Rock News regarding stormwater cleanliness and outreach. The first article, written by Michael Righi, Assistant Engineer, was published 5/22/24 and discussed what residents, businesses, and visitors can do to minimize impacts to Oak Creek, and what the city does in support of Oak Creek. The second article was written by Sandra Phillips P.E., Assistant Public Works Director, and published 6/12/24, and discussed stormwater runoff reduction, recharge of the aquifer, and impacts to Oak Creek.

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

Business owners/operators and Construction Site 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: Sedona_SWMP_2024_Update.pdf

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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: Outfall 1 - Tlaquepaque - Discharge of Soldier Wash at Oak Creek Outfall 2 - Juniper Lane - Discharge of unnamed local residential drainage at Oak Creek Outfall 3 - Back O' Beyond - Discharge of unnamed local residential drainage, this outfall is upstream of Oak Creek (before confluence with large unnamed wash from National Forest)

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 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 Land Development Code: 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).

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File Name: 2023-2024_MS4_IDDE_Reporting_Sedona.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?: 6

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices (classroom training)

How many staff attended?: 37

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices (self-guided training for those who have attended at least one classroom training session)

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

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 Storm Water Chapter 13.50 Storm Water Discharge Land Development

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?: 74

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)?

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 Land Development Code: 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

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 6

attended?:

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices (classroom training)

How many staff attended?: 37

What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices (self-guided training - those who have attended at least one classroom training session)

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 **04:51 PM** on **09/30/2024**. 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:

An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy. This section does not abrogate the immunity provided by section 12-820.01 or 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.

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