ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY

AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 92122

Report #: 92701

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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: 07/01/2022 - 06/30/2023

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:

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

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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:

Nine (9) Outreach Events were conducted by Oak Creek Watershed Council (OCWC) on behalf of the City of Sedona. 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. At each event (below), OCWC estimates that approximately 75 to 100 attendees were engaged. Dates of Sedona Farmer's Market where outreach was performed by OCWC: November 13 December 11 and 18 January 8 February 5, 12, and 19 March 5 and 12 Litter/trash cleanup events: Event 1: April 2, 2023 Andante/Harmony neighborhood – Three people (2 OACW employees and 1 volunteer) collected 20 pounds of litter over three hours from this busy neighborhood Event 2: April 8, 2023 Sunset Park and Carroll Canyon – Five people (2 OCWC employees and 3 volunteers from the NAU Student Association for Fire Ecology club (SAFE)) spent three hours collecting litter in the vicinity of Sunset Park and along the Carroll Canyon trail system; over 68 pounds of litter and trash were collected. Event 3: May 30, 2023 Sunset Park and Carroll Canyon – Seven people (1 OCWC employee, two City of Sedona employees, and four volunteers) spent three hours collection litter in the vicinity of Sunset Park and along the Carroll Canyon trail system; over 28 pounds of litter and trash were collected. Event 4: June 15, 2023 Tlaquepaque – Twelve people (2 OCWC employees, two OCWC board members, two City of Sedona employees, and six volunteers) spent two hours collecting litter from the drainage that flows along the outer edge of the Tlaquepaque Arts and Shopping Village; 55 pounds of litter was collected. Two MS4 newsletters were distributed (one in May and one in June) to local Sedona business owners. Six social media posts, specific to Oak Creek, were posted on Facebook and Instagram. The outreach interactions for these posts was 6,364 individual accounts. 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 5,129.9 pounds of pet waste in FY23 (period from July 1, 2022 through June 30, 2023). "Arizona Regulatory Roadshow: The Bed, Bank, and Beyond" was held on April 28, 2023. The City of Sedona, along with Yavapai County, Coconino County, ADEQ, USACE, USFS and USFW, conducted public outreach focused on the ecosystem and management of Oak Creek and the surrounding area. The City of Sedona presentation encompassed both stormwater quality (pollution) and stormwater quantity (flooding) concerns and how they are managed. This event was held at the Sedona Public Library and approximately 40 people attended; those in attendance included residents, contractors, and local business owners and employees).

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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 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:

Residential Community

Identify the topic(s) for the target group:

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

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

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 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:

Municipal stormwater requirements and stormwater management practices for construction sites

Illicit discharges and proper management of non-stormwater discharges

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

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

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

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

Describe how the message was conveyed to the target group:
A letter was sent to forty-three (43) contractors/contractor companies regarding stormwater best management practices. This letter specifically reminds contractors/contractor companies of the requirements to implement Best Management Practices (BMPs) and provides a list of common BMPs that can be readily implemented in a majority of projects through the city. In addition, the contractors/contractor companies were provided with the following handouts and brochure: The Construction Industry's Role in Preventing Stormwater Pollution: This brochure, created by the City of Sedona, provides a brief and concise explanation of various Best Management Practices and examples of these BMPs implemented, including a picture of both a 'poor example', i.e., a mismanaged BMP, and a 'Good Practice', i.e., a properly managed and maintained BMP. Best Management Practice Spotlight – Concrete Washout: This two-page handout covers the importance of providing concrete washout for concrete deliveries and any other concrete use commonplace with many projects and developments within the city. The letter to the contractors/contractor companies also explains that this handout can be used for guidance for leftover stucco and paint as well. 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. "Arizona Regulatory Roadshow: The Bed, Bank, and Beyond" was held on April 28, 2023. The City of Sedona, along with Yavapai County, Coconino County, ADEQ, USACE, USFS and USFW, conducted public outreach focused on the ecosystem and management of Oak Creek and the surrounding area. The City of Sedona presentation encompassed both stormwater quality (pollution) and stormwater quantity (flooding) concerns and how they are managed. This event was held at the Sedona Public Library and approximately 40 people attended; those in attendance included residents, contractors, and local business owners and employees). Oak Creek Watershed Council distributed two MS4 newsletters (one in May and one in June) to local Sedona business owners.

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_2023_Draft_Compressed.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: 1. Tlaquepaque - Soldier Wash at Oak Creek 2. Juniper Lane - unnamed (residential) drainage at Oak Creek 3. Back O' Beyond - unnamed (residential) drainage 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 Article 8 Administration and Procedures

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

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Answer: Yes

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

File Name: 2022-2023_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?:	13
What was the topic?:	General MS4 Regulations, Requirements, and Best Management Practices (classroom training)
How many staff attended?:	30
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 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 Chapter 13.50 Storm Water Section 13.50.090 covers Best Management Practices to mitigate erosion to control Construction Activity Stormwater Runoff.

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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?: 104
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

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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 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)?

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Answer: No

Please explain why this requirment 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?: 13
What was the topic?: General MS4 Regulations, Requirements, and Best Management Practices (classroom training)
How many staff attended?: 30

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

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CERTIFICATION OF SUBMISSION

MICHAEL J RIGHI

You validated your identity by answering your personal security question and password on myDEQ at **11:07 PM** on **09/28/2023**. At this time, you certified the summary information above by checking that you agreed to the following statement:

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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