



**ARIZONA DEPARTMENT  
OF  
ENVIRONMENTAL QUALITY**



**AZPDES SMALL MS4 ANNUAL REPORT**

**LTF ID #: 91583**

**Report #: 90479**

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# AZPDES SMALL MS4 ANNUAL REPORT - SUMMARY

## Company:

**Name:** CITY OF CHANDLER-STORMWATER PROGRAM

## 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:

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

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

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pollutants in stormwater

Proper management and disposal of used oil

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

Stormwater runoff issues and residential stormwater management practices

**Describe how the message was conveyed to the target group:**

15th Annual Earth Day and Arbor Day Celebration - April 22, 2023 storm water information covering the areas noted were distributed to event attendees at Chandler Veterans Oasis Park

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

Direct contact and communication with attendees was tracked. Direct contact and discussion allows for more effective communication, questions and answers and allows City staff to better understand residents and the general public's issues and concerns. This allows for future educational events and materials to be updated to the current issues as noted during the direct contact.

**Identify the target group for outreach and education:**

Schools

**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

**Describe how the message was conveyed to the target group:**

4th Grade Environmental Art Contest - April 2023 - This on going contest with the City Solid Waste and Water Conservation divisions gets 4th grade students involved in overall environmental issues and to help create artwork for a calendar, recycling truck artwork and website artwork. For example artwork with the message "keep clutter out of the gutter" and "only rain in the storm drain" help get the message of preventing storm water pollution into the schools but also the public when the artwork is displayed

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

Overall involvement into this contest is tracked by the number of schools and students who submit artwork. The artwork is

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reviewed and submittal winners are recognized at a Council meeting and publication of their artwork. Effectiveness is measured by the number of schools and students who submit artwork

**Identify the target group for outreach and education:**

General Public

**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

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

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

Stormwater runoff issues and residential stormwater management practices

**Describe how the message was conveyed to the target group:**

Chandler Innovation Fair - February 25, 2023 - This fair showcases the businesses, artists, students and innovators in the community as Chandler participates in the statewide Arizona SciTech Festival. A booth for overall storm water information was setup with the focus on storm water pollution prevention, maintenance and steps residents and the public can take to prevent storm water pollution and how to report issues

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

Effectiveness was measured by the number of interactions with festival attendees, prompting the new online pool drainage forms and how to report environmental issues, including storm water issues, using the online environmental issue reporting form. This allows for an online as well as telephone hotline to report issues.

**Identify the target group for outreach and education:**

Residential Community

**Identify the topic(s) for the target group:**

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

**Describe how the message was conveyed to the target group:**

Woofstock - 11/19/22 - This event takes place at Tumbleweed Park. This event features canine related activities, contest and vendors. A booth for overall storm water information was setup but the focus was on pet ownership and picking up after your

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dog. The message was conveyed by banner, direct communication, brochure handouts and free items including pet waste bag dispensers.

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

The number of items given away and number of individuals directly communicated with was recorded. Comments by attendees included mentions of needing bags, use of them and seeing more use of them when residents are out walking dogs. Use of the waste bags is a direct link to removing potential pollutants from the storm water system

**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:**

Community/Home Owner Association

**Identify the topic(s) for the target group:**

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:**

Hawthorne Manor HOA Meeting - 4/20/23 - Environmental Staff attended the April monthly HOA meeting and discussed storm water structure maintenance, processes to eliminate illicit discharges and how to report issues to the City. Additionally educational items and brochures were distributed to residents and board members in attendance

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

During the discussions at the meeting, storm water structure maintenance, including drywells, IDDE prevention were discussed. The HOA provided a copy of the yearly budget which included contracts for maintenance and reminders to residents about not dumping materials into the street. This indicates that this HOA is aware of storm water maintenance and IDDE prevention

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

Answer: Yes

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## **Upload the SWMP.**

**File Name:** AZGS2021-002\_City of Chandler SWMP\_Update.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: Mapping of the City storm water infrastructure has mostly been completed. As new development or changes to the existing system occur, the GIS information is updated to allow for current or updated system maps to be created. This also occurs if the City annexes any new land during the year.

**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 Chapter 45-8 - Non-stormwater discharges City Code Chapter 30 - -Property Maintenance Ordinance

**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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**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?:** 120

**What was the topic?:**

As part of the annual HAZWOPER training, a stormwater awareness training for municipal employees was included. This training includes: 1. How to recognize potential stormwater pollution sources; 2. Have an understanding of non-stormwater discharges; 3. How to observe and report a non-stormwater discharge into the City right-of-way and storm drain systems; and 4. An overall review of why the City is required to have a MS4 permit and what the components are included in the permit

**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 Chapter 45 - Section 45-8 Non-stormwater discharges City Code Chapter 30 - Property Maintenance

**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?:** 15

**How many follow-up actions were necessary (re-inspection, enforcement actions)?:** 4

**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

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**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 Chapter 45, Section 45-2 - Compliance with storm drainage regulations City Code Chapter 30, Section 20 - Miscellaneous City Code Chapter 40 - Homeowners Association Improvements

**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: Yes

**Question: Did you implement a program to reduce or eliminate discharges of**

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**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?:** 130

**What was the topic?:**

As part of the annual HAZWOPER training, a stormwater awareness training for municipal employees was included. This training includes: 1. How to recognize potential stormwater pollution sources; 2. Have an understanding of non-stormwater discharges; 3. How to observe and report a non-stormwater discharge into the City right-of-way and storm drain systems; and 4. An overall review of why the City is required to have a MS4 permit and what the components are included in the permit

**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: No

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# CERTIFICATION OF SUBMISSION

**JON R SHERRILL**

You validated your identity by answering your personal security question and password on myDEQ at **03:57 PM** on **07/31/2023**. 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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