



**ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY**



AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 97329

Report #: 92006

Phoenix Office

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AZPDES SMALL MS4 ANNUAL REPORT - SUMMARY

Company:

Name: TOWN OF QUEEN CREEK - PUBLIC WORKS

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

Answer: 01/10/2023 - 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:

Schools

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

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Describe how the message was conveyed to the target group:

Classroom presentations were conducted to convey the "Too Good to Throw Away!" and "Our Water, Our Future" programs. The programs are presented in a way to increase knowledge and change behaviors of students so that stormwater pollutants are reduced. Additionally, in partnership with our STORM Group, education and outreach efforts Project WET provided water education for teachers and students through various water festivals across Arizona. This program offers water resources through a 4th grade curriculum.

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

The programs reach an estimated 4,784 of students in 41 Elementary and Middle Schools. At the end of the presentations, teachers were provided with an evaluation of the program in which resulted on average of 85% excellence. Through the Storm Group's sponsorship with Project WET contributing to the programs impact, the Arizona Water Festival Program reached a total of 18,444 students and 713 teachers.

Identify the target group for outreach and education:

General Public

Identify the topic(s) for the target group:

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

Stormwater runoff issues and residential stormwater management practices

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

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

Proper management and disposal of used oil

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

Describe how the message was conveyed to the target group:

Town staff utilized the water bill inserts, e-newsletters, QC recycle events, hazardous waste voucher program and, in partnership

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with STORM, utilized various ABC15 campaigns to convey the information to the general public. The information covered proper cooking oil and grease disposal, Shut Your Lid and Bag & Tie campaigns, and recycling events which included prescription drug take back programs.

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

For the general public target group, Town staff worked with regional and state stormwater programs, STORM Group and AZWater, on local education an outreach utilizing digital and social media presence. We partnered with ABC15 to increase opportunities to share stormwater messages through media, resulting in 7.7 million impressions across two media campaigns. The Stormwater Awareness Campaign showed an 11% increase in correct responses to the Stormwater Quiz from the year prior. The Monsoon Campaign beginning in May included a Facebook post made by ABC15 on behalf of STORM leading to more than 1,600 people visiting the STORM website. During FY23, STORM's website (www.azstorm.org) received a total of 13,685 webpage views by 9,032 users during 10,275 sessions. Town staff participated by providing stomwater outreach at several Town's events. An total estimated number of people visiting the events was about 4,500. The Town's Stormwater website has the opportunity to share information and education which received a total of 272 webpage views.

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:

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

Describe how the message was conveyed to the target group:

In partnership with the STORM group, a Facebook monsoon campaign was created and ran from May-July 2023. The targeted message was specific to schools and businesses conveying the message about untreated stormwater that runs into our washes, basins and rivers, and emphasizing the actions that can be taken to prevent pollution.

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

The methods used to measure the effectiveness of the campaign were partnering with AB15 and the STORM group to provide social media and digital campaigns that were ran by ABC15. The Monsoon Campaign had a total of 5,066,944 impressions, reaching 86,272 people and over 330 engagements. Additionally, TV commercials to bring awareness to stomwater reached 407,434 people.

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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: StormwaterManagementPlan 2020.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: The Queen Creek Wash runs through the Town of Queen Creek and has been one hundred percent completed, and the MS4 outfalls that discharge to the washes have been identified and characterized. As additional sections of the wash is improved and annexed into the town, the processes have been put in place to add the additional outfalls and update the map.

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?

The citation can be found in the Town of Queen Creek Code, Article 10-10 Stormwater Quality Management and Discharge Control that prohibits non-stormwater discharge into the MS4.

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: MS4_IDDE_Reporting_Template.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?: 2

What was the topic?: IDDE Observations

How many staff attended?: 2

What was the topic?: Certified Stormwater Inspection

How many staff attended?: 2

What was the topic?: Qualified MS4 Stormwater Compliance Professional

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?

Town Code 9-21-2 Civil Offenses And Misdemeanors Except where the context requires a different definition, the terms “Civil Offense”, “Civil Traffic Offense”, “Misdemeanor”, “Class 3 Misdemeanor”, “Class 2 Misdemeanor”, and “Class 1 Misdemeanor” shall have the same meaning, and penalties as set forth in Title 13 and Title 28 of the Arizona Revised Statutes. Except as otherwise specifically provided in this Chapter, Town Code or in State Statute, any person who fails to comply with requirements of this Chapter or the Town Code, or violates any of their provisions, is guilty of a Civil Offense. Except as otherwise specifically provided, Civil Offenses shall be punished by imposition of a civil penalty in the amount of \$250.00 for the first offense; \$500.00 for a second offense in a 12-month period, and \$2,000.00 for a third offense in said 12-month period. A fourth violation after three prior findings of responsibility for a civil offense the violation shall be a Class 3 Misdemeanor. For purposes of calculating the 12-month period, such period shall be calculated by looking backwards from the last offense. Except as otherwise provided, each day that the violation continues shall be a separate violation or offense.

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?: 205

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)?

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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?

The citation can be found in the Town of Queen Creek's Code, 10-10-8 Post-Construction Stormwater Management. Introduction: The goal of this post-construction Stormwater management program is to protect public safety and public infrastructure, reduce erosion on private properties and stream channels, and protect the quality of Waters of the U.S. to the maximum extent practicable. The goals are achieved by maintaining and/or restoring natural drainage patterns, minimizing grading and disturbance, and minimizing the extent of impervious cover, as well as encouraging the use of a variety of BMPs for reducing the pollutant loadings from newly developed and redeveloped sites. These goals will be accomplished by requirements to, among other things, reduce the magnitude and extent of impervious cover and site disturbance, remove pollutants from runoff prior to the introduction of Stormwater to the Town MS4, and promote effective operation and maintenance of all Stormwater facilities.

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

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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 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

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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?: 313

What was the topic?: Emergency and Disaster Preparedness

How many staff attended?: 365

What was the topic?: Fire and Explosion Hazards

How many staff attended?: 355

What was the topic?: Hazard Communications

How many staff attended?: 3

What was the topic?: Hazardous Waste Operations and Emergency Response Refresher

How many staff attended?: 3

What was the topic?: RCRA Hazardous Waste Management

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

CERTIFICATION OF SUBMISSION

RAMONA G SIMPSON

You validated your identity by answering your personal security question and password on myDEQ at **05:09 PM** on **09/18/2023**. 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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