



**ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY**



AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 97329

Report #: 121185

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: 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:

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:

The Town staff held events that focused on stormwater, pollution prevention and proper disposal of common household wastes and provided opportunities for educational outreach and messaged promotional hand out items. These events ranged from recycle drop off events, Pancake Breakfast, Cardboard Box Car "Drive-In" Movie in the park, What's Poppin' in QC and Frontier Family Park Grand Opening.

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

The information provided was the Town's Bag & Tie Campaign, proper recycling efforts of cooking oil and grease disposal, prescription drug take back programs, Hazardous Waste Voucher Program. A total of 8,346 people attended the events and 266 Hazardous Waste Vouchers were used by our residents to properly dispose of household hazardous waste.

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

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

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

Proper management and disposal of used oil

Spill prevention, proper handling and disposal of toxic and hazardous materials, and measures to contain and minimize

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discharges to the storm sewer system

Stormwater runoff issues and residential stormwater management practices

Describe how the message was conveyed to the target group:

In partnership with the regional STORM group, we utilized various ABC15 campaigns. The information conveyed was focused on stormwater awareness and monsoon season. An interactive stormwater quiz was provided that provided education, illegal dumping, managing non stormwater discharges.

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

By working with regional stormwater groups on local education and outreach effort which utilized digital and social media presence. By partnering with ABC15, we were able to increase opportunities to share stormwater messages through media campaigns, resulting in 10,135,862 impressions that were made on citizens throughout the valley. The Monsoon Campaign included facebook posts made by ABC15 on behalf of STORM leading to more than 10,000 people visiting the STORM website.

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

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

Social media was utilized to convey the message to the general public. Pollution prevention messages were posted on various

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platforms, E-newsletters, Town website and included in the monthly water bill insert. Additionally, Town staff created videos and posted them on YouTube.

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

The messages for pollution prevention utilizing social media platforms reached over 6,000 people, monthly E-newsletter over 20,000, the total website views over 221,000 and the water bill inserts over 612,000 people. The Shut Your Lid campaign, pollution prevention and proper disposal videos on YouTube reached over 2,000 views.

Identify the target group for outreach and education:

Schools

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

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:

Classroom presentations were conducted to convey the "Too Good to Throw Away!", "Blue Cart Smart", "Our Water, Our Future" and "Sing-A-Long with H2O" programs. These programs are presented in a way to increase knowledge and change behaviors of students so that stormwater pollutants are reduced, along with QC's water sources and how to conserve water. Education and outreach efforts were in partnership with our STORM Group in which provided Project WET water education for teachers and students through various methods including hosting water festivals across the state. These free programs span across first graders through 9th grade students and are aligned with Arizona Department of Education standards.

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

Classroom presentations reached an estimated 4,940 students in 45 schools throughout Queen Creek. At the end of the presentations, teachers were provided with an evaluation of the programs in which resulted on average of 90% excellence. Through the STORM Group's sponsorship with Project WET contributing to the programs impact, the Arizona Water Festival Program reached a total of 194,856 students and 7,404 teachers. The volunteer survey statements resulted in 100% excellence.

Question: Did you provide outreach and education to the public on the stormwater

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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

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

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

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

Describe how the message was conveyed to the target group:

Routine inspections to restaurants were conducted through the Town's Utility F.O.G. Program. During the inspection, grease traps and interceptors were visually inspected and BMP's are conveyed during the on site visits.

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

Rack cards for educational outreach were provided after inspections which reinforced the importance of best management practices. The compliance rate of inspections was 100% which is an indication of the awareness of pollution prevention.

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

Describe how the message was conveyed to the target group:

At pre-construction meetings, construction site operators are given a flyer to post to maintain BMP's onsite.

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

Active construction sites are inspected to observe that stormwater BMP's are in place.

Identify the target group for outreach and education:

Targeted Sources or Types of Businesses (industrial or commercial)

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Identify the topic(s) for the target group:

Illicit discharges and proper management of non-stormwater discharges

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

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

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

Describe how the message was conveyed to the target group:

Stormwater Pollution Prevention in auto shops is conveyed through a combination of best practices, educational outreach and regulations. An educational flyer was created and distributed during onsite visits. The auto shops are encouraged to adhere to the best practice such as material storage, spills and leaks, storage and disposal of cleaners, solvents and trash. The practical guidelines and educational initiatives will foster a culture of environmental responsibility.

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

The measure/method used to assess the effectiveness of the message was determined at the time of the on site outreach provided. The auto shops were in compliant in accordance with the Town's ordinance, and BMP's were observed. No violation escalation was required.

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: Stormwater Management Plan 2024 updated 9_2024.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)?

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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 wash have been identified and characterized. As additional sections of the wash is improved and annexed into the Town, the processes have been put into 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 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?: 1

What was the topic?: Stormwater Permit Inspector

How many staff attended?: 2

What was the topic?: IDDE Observations

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 for the 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 violations 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 for the first offense; \$500 for a second offense in a 12-month period, and \$2,000 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?: 12

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?

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

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

Answer: Yes

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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

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?: 329

What was the topic?: Emergency and Disaster Preparedness

How many staff attended?: 413

What was the topic?: Fire and Explosion Hazards

How many staff attended?: 397

What was the topic?: Hazard Communications

How many staff attended?: 4

What was the topic?: AW Water Association Stormwater Construction Workshop

How many staff attended?: 4

What was the topic?: Spill Response Training

How many staff attended?: 4

What was the topic?: 8-hour Hazardous Waste Health & Safety refresher training

How many staff attended?: 1

What was the topic?: Certified Stormwater Inspector

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

JANET KAWCZYNSKI

You validated your identity by answering your personal security question and password on myDEQ at **04:28 PM** on **09/25/2024**. 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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