



**ARIZONA DEPARTMENT
OF
ENVIRONMENTAL QUALITY**



AZPDES SMALL MS4 ANNUAL REPORT

LTF ID #: 92548

Report #: 120623

Phoenix Office

1110 W.Washington Street . Phoenix, AZ 85007
(602) 771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520) 628-6733

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AZPDES SMALL MS4 ANNUAL REPORT - SUMMARY

Company:

Name: LAKE HAVASU CITY

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:

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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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

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:

We hold quarterly public meetings where we communicate with the public in regard to concerns of illegal dumping in local washes that drain to the lake and take corrective actions when required. On earth day we hold a park clean up event to pick up trash, debris and general waste with parks and recreation staff and volunteers. We conduct regular meetings with industrial waste facilities to communicate spill prevention and proper handling of common chemical and industrial waste products. We coordinate with the public in regards to illicit discharge complaints via our website at LHCAZ.GOV under the storm watermanagement tab. Mike Wolf is our lead contact at 928-680-5460ext4330

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

We have a slide show depicting several different types of Illicit Discharges. Pamphlets to our Illicit Discharge Program with a list of contacts can be found on our city website <https://www.lhcaz.gov/public-works/storm-water-management>. We generally will explain different types of illicit discharges by using images found on these documents. We also have a video that we share on illicit discharges for teaching staff.

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

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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

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

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

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

Describe how the message was conveyed to the target group:

During the pre-application process with all developers/contractors/architect/civil engineer we coordinate the need to meet the "first flush" at minimum per the Mohave County drainage Manual on all developments. Retention Basins are used to capture and infiltrate the initial runoff which contains hydrocarbons, metals, biological material which is filtered through the subgrade.

During construction we inspect erosion control measures such as straw bales, wattles, silt fence etc. All construction sites must have a temporary construction entrance, concrete wash out and storm drain inlet protection where required.

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

During the pre-application process we hold an open communication with consultants, contractors and owners. We will generally provide BMP drawings which can be found in Standard Details for the City of Lake Havasu. We also review the SWPP plan on sites that are greater than 1 acre and provide design comments to limit site erosion.

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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: Lake Havasu City Stormwater Management Plan 2024 - Signed MW.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: We maintain an up-to-date map of the MS4. The storm sewer map identifies and isolate illicit discharges in 9 distinct locations. Storm sewer mapping system including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man—made channels, or storm drains that are owned or operated by the permittee and convey stormwater to protected surface waters. b. The location of 9 major outfalls; and c. The name and location of all protected surface waters that receive discharges from outfalls (lake Havasu).

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?

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Ordinance 14-1105. § 1.12.020 DUTY TO ENFORCE THE CODE. § 1.12.040 VIOLATION A CIVIL INFRACTION—PENALTY. All stormwater related codes please refer to §8.28 § 8.28.160 ENFORCEMENT. A. A violation of this chapter shall be enforced as described in Chapter 1.12 of this code. The City Engineer or designee is authorized to enforce the provisions of this chapter.

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?: 13

What was the topic?:

How to spot & report and illegal discharge: Illicit Discharge and Detection spotting and reporting an illicit discharge. Source Pollution of Stormwater: Lawn, Fertilizer, Organic Materials, Metals, Construction Debris & Trash. Definition of Illicit Discharge: Dumping of pollutants into stormdrain or waterway. Identifying Illicit Discharges Ex. Concrete truck wash out Protections Measures by use of Construction BMP's. Silt Fence, Erosion Control Mats, graded swales etc. Reporting: Take Pictures and report time, name and

location to city engineer for reporting to ADEQ illicit Discharge Program. Engineer will send code compliance officer to fine individual in violation.

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?

§ 8.28.090 PERMITTED NON-STORMWATER DISCHARGES. A. The following discharges are not significant contributors of pollutants to the municipal MS4s and are considered allowable non-stormwater discharges, unless the city determines in specific instances that the discharge contributes to a violation of the AZPDES General Permit or other permits under which the city is permitted to operate its MS4: 1. Water line flushing 2. Landscape irrigation 3. Diverted stream flows 4. Rising ground waters 5. Uncontaminated ground water infiltration 6. Uncontaminated pumped groundwater 7. Discharges from potable water sources 8. Foundation drains 9. Air conditioning condensate (residential) 10. Springs 11. Footing drains 12. Individual residential car washing 13. Discharges from riparian habitats and wetlands 14. De-chlorinated swimming pool and spa discharges 15. Discharges of flows from emergency fire fighting activities B. The city permits discharges allowed under the AZPDES De Minimus General Permit, and the city will rely on the State of Arizona to enforce the provisions regarding these discharges under that permit. The city may, however, require a person to demonstrate that a discharge is subject to that permit. Discharge allowed under separate permits issued by ADEQ are allowed provided that the permit conditions are adhered to. C. Discharges which have been managed using BMP that are appropriate to the facility at the time of the discharge and properly maintained shall be considered allowable. It is the responsibility of the person discharging to demonstrate through testing, records, plans, and other documents that the discharge is allowable under this chapter. The city may require such demonstration for any facility connected to the MS4 directly or indirectly.

Question: Did you implement a construction site inventory, per permit Section 6.4(2)(b)?

Answer: Yes

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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?: 40

How many follow-up actions were necessary (re-inspection, enforcement actions)?: 5

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

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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?

8.28.100 PLAN REVIEW, INSPECTIONS, ACCESS, AND REPORTS. A. All development must establish stormwater management practices to control stormwater in compliance with § 8.28.050 of this chapter. B. The city shall require that any person submitting a grading, building, or other improvement plan disclose if illicit discharge, stormwater, or permitted non-stormwater discharge of any type to the MS4 may occur as a result of, or in conjunction with the implementation of the plan. To the extent that the discharge would be an illicit discharge, if connected to the MS4, the plan shall include BMP measures to remove or prevent the illicit discharge during and after construction of the improvement or project. The BMP shall be subject to approval of the city. C. Persons shall maintain the BMP during and after construction until such time as final stabilization of the site has been performed. This shall apply to persons initiating a project and to heirs and assigns. Changes to the BMP approved at the time of a project implementation shall be sent to the city in writing. The revised BMP shall be at least as effective in preventing pollution as the original BMP or as then currently required by the city. The city reserves the right to require changes in BMP as necessary to assure that discharges to the MS4 are of a quantity and quality that the city will not be in violation of the permits under which it is allowed to discharge stormwater. Sites requiring post construction (permanent) BMPs shall require an Operations and Maintenance Agreement be provided to the city identifying responsibility for operation and maintenance of the facility and for providing perpetual access to the city for inspection of the facility. D. The city shall be granted access to all facilities and lands discharging any water or other material to the MS4. E. Persons further developing parcels and/or lots that are part of a larger development, regardless of the time elapsed, shall utilize current BMP methods that are at least as effective as those identified in the stormwater pollution prevention plan for the larger development or necessary to comply with regulations, laws, and codes current at the time of further developing, whichever is more stringent. Appropriate permits required by the state shall be acquired by further developers. F. Site-specific stormwater pollution prevention plans shall be developed for all construction projects 1 acre or greater in size and a Notice of Intent (NOI) shall be filed with ADEQ. The site-specific plan shall identify the minimum BMPs to be utilized upon further development of the project area, when the person submitting the plan will not develop the entire project though building occupancy or other full development intent. Smaller areas may develop a site-specific plan. G. The city may develop, publish, and update from time to time general stormwater pollution guidelines. These guidelines shall at minimum address pollution caused by soil

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erosion, motor oil, trash, and landscape debris.

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 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

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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?: 15

What was the topic?: Maintenance of Storage Yards Vehical and Equipment Operations/Maintenance Have Adequate Spill Kits Clearly Labeled. Develop and Implement an inspection schedule for High Risk Facilities -Every Quarter Medium Risk Facilities twice per year Low Risk Facilities ounce per year. Develop and implement an employee training program to incorporate pollution prevention and good housekeeping.

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

SHAWN M CLARKE

You validated your identity by answering your personal security question and password on myDEQ at **03:18 PM** on **09/26/2024**. 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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