



## Phase I MS4 2021-2022 Annual Report

**MS4 Name:** City of Tempe

**MS4 Permit #:** AZS000005

### 1.0 Miscellaneous

1. The Permittee shall submit one (1) copy of the most recent SWMP.

Please submit the SWMP as an attachment in MS Word/Excel or Adobe PDF.  
Link to the [SWMP](#)

2. The Permittee shall provide the costs of the necessary capital and operation and maintenance expenditures necessary to accomplish the activities required of the permit. \$1,728,580

Please submit the O&M Expenditures in MS Word/Excel or Adobe PDF.

### 2.0 Legal Authority

3. Did the Permittee develop, maintain, and enforce adequate legal authority to control the discharge of pollutants into and from its MS4, per 2.0?

Yes       No

If no, please continue to next question; this requirement is due with the 2023 annual report.

### 3.0 Arizona Surface Water Quality Standards (SWQS)

4. How many parameters had SWQS exceedances from discharges to protected surface waters? (Expressed in numbers.) 2

### 4.1 Program Implementation

5. Did the Permittee include the 4.1.A.1-2 required items in the SWMP?

Yes       No

If no, please explain why (OPTIONAL):

### 4.2 Public Education and Outreach

6. Did the Permittee provide outreach and education to the public on the stormwater program issues and requirements, per 4.2.A?

Yes  No

Target Group(s): General Public, Residential Community and Homeowners/Neighborhood Associations.

Topic(s): 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.

If no, please explain why (OPTIONAL):

7. Did the Permittee evaluate and measure the understanding and adoption of the targeted behaviors for at least one target audience in at least one subject area by the end of year four (4), per 4.2.A.3?

Not applicable for this reporting year.

8. Did the Permittee use the results of the evaluation to direct education and outreach resources most effectively, as well as to evaluate changes in adoption of the targeted behaviors by the end of year four (4), per 4.2.A.3?

Not applicable for this reporting year.

9. Attach, as part of your 4th year annual report, an evaluation of the target audience in a subject area and any changes adopted in response to targeted behaviors in order to be more effective, per 4.2.A.3.a.

Not applicable for this reporting year.

#### 4.3 Public Involvement and Participation

10. Did the Permittee host an annual public SWMP workshop, per 4.3.A?

Yes  No

If no, please explain why (OPTIONAL):

11. Did the Permittee create opportunities for citizens to participate in the implementation of stormwater controls (e.g., stream clean-ups, storm drain stenciling, volunteer monitoring, disposal of household hazardous waste, educational activities, and facilitation of Adopt-A-Wash, Adopt-A-Park, and Adopt-A-Street litter control activities), per 4.3.B?

Yes  No

If no, please explain why (OPTIONAL):

12. Did the Permittee 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 4.3.C?

Yes  No

If no, please explain why (OPTIONAL):

13. Was the current SWMP and annual report posted no later than thirty (30) days of the due date of the annual report or, if in the first year of the permit becoming effective, was the current SWMP and latest annual report posted on the Permittee's website, per 4.3.D?

Yes  No

If no, please explain why (OPTIONAL):

#### 4.4 Illicit Discharge Detection and Elimination (IDDE)

14. Did the Permittee implement a program to detect, investigate, and eliminate non-stormwater discharges including dumping and spills, into its system, per 4.4.A?

Yes  No

If no, please explain why (OPTIONAL):

15. Did the Permittee maintain an inventory of all known MS4 outfalls, ~~field screening points~~, interconnections with other MS4s, and those major outfalls identified by the Permittee as priority for illicit discharges or other non-stormwater flows, per 4.4.C?

Yes  No

If no, please explain why (OPTIONAL):

16. Did the Permittee provide training for new employees with direct stormwater responsibilities at least one (1) time per year, per 4.4.D.1?

Yes  No

No new employees were hired during the reporting year.

If no, please explain why (OPTIONAL):

17. Did the Permittee inspect all "priority" major outfalls or field screening points (if applicable), per 4.4.E.2?

Yes  No

If no, please explain why (OPTIONAL):

18. Did the City of Tempe inspect approximately 20% of the remaining (i.e., non-priority) major outfalls and field screening points (if applicable), per 4.4.E.3?

~~Did the Permittee inspect each of the remaining (non-priority) major outfalls or field screening points at least once within the five year permit term (or approximately 20% each year) per 4.4.E.3?~~

Yes  No

If no, please explain why (OPTIONAL):

~~How many non-priority outfalls or field screening points were inspected (in numbers):—~~

19. Did the Permittee conduct ongoing dry weather field screening of major outfalls, per 4.4.E.4?

Yes  No

If no, please explain why (OPTIONAL):

20. Did the Permittee investigate (or refer to the appropriate agency with authority to act) within five (5) business days for at least 90% of all reports of illicit discharges to the Permittee's MS4, per 4.4.F?

Yes  No

If no, please explain why (OPTIONAL):

21. Did the Permittee initiate corrective actions and/or enforcement mechanisms to eliminate any illicit discharge detected within 60 calendar days of identification of the source, per 4.4.G?

Yes  No

If no, please explain why (OPTIONAL):

22. The Permittee shall submit one (1) copy of their 4.4.I.2 summary of IDDE activities in tabular format.

Please submit the Summary of IDDE Activities as an attachment in MS Excel.

#### 4.5 Municipal Facilities Pollution Prevention and Good Housekeeping Practices

23. Did the Permittee provide new employee training at least (1) one time per year to employees with direct stormwater responsibilities, per 4.5.A.1?

Yes  No

No new employees were hired during the reporting year.

If no, please explain why (OPTIONAL):

Did the Permittee provide refresher training for existing employees directly involved in these activities at least once every two (2) years, per 4.7.A?

Yes  No

If no, please explain why (OPTIONAL):

Refresher training not applicable this year. Tempe conducted training to all employees with stormwater responsibilities.

24. Did the Permittee update and maintain an inventory, database, list, map, or other equivalent tracking system of facilities owned and operated by the Permittee that have the potential to discharge pollutants to the MS4, per 4.5.B.1?

Yes  No

If no, please explain why (OPTIONAL):

25. The Permittee shall submit one (1) copy of their 4.5.B.1 inventory list as an attachment.

Please submit the Facilities Owned and Operated Inventory List as an attachment in MS Excel or Adobe PDF.

26. Did the Permittee inspect approximately 20% of all facilities identified in 4.5.B.1, per 4.5.C.1?

Yes  No

If no, please explain why (OPTIONAL):

27. Is the Permittee implementing practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned and operated by the Permittee, per 4.5.D?

Yes  No

If no, please explain why (OPTIONAL):

#### 4.6 Industrial and Commercial Sources (Non-municipally owned)

28. Did the Permittee provide new employee training at least (1) one time per year to employees with direct stormwater responsibilities, per 4.6.A.1?

Yes  No

No new employees were hired during the reporting year.

If no, please explain why (OPTIONAL):

Did the Permittee provide refresher training for existing employees directly involved in these activities at least once every two (2) years, per 4.7.A?

Yes  No

If no, please explain why (OPTIONAL):

Refresher training not applicable this year. Tempe conducted training to all employees with stormwater responsibilities.

29. Did the Permittee update and maintain an inventory, database, list, map, or other equivalent tracking system of private commercial and industrial sites that discharge stormwater pollutants to the MS4, per 4.6.B.1?

Yes  No

If no, please explain why (OPTIONAL):

30. The Permittee shall submit one (1) copy of their 4.6.B.1 Inventory as an attachment.

Please submit the Private Commercial and Industrial Inventory List as an attachment in MS Excel or Adobe PDF.

31. Did the Permittee develop a mechanism to identify and document facilities subject to the MSGP that did not file a timely NOI (does not apply to sites with waivers and No Discharge Certificates) and contain a means of communication with operators of these facilities to inform them of their responsibility to comply, per 4.6.B.2?

Yes  No

If no, please explain why (OPTIONAL):

32. Did the Permittee inspect all facilities identified in 4.6.B.1, per 4.6.C, once within the five year permit term (or approximately 20% each year)?

Yes  No

If no, please explain why (OPTIONAL):

33. Is the Permittee implementing an effective compliance and enforcement program that incorporates escalating action for violations to municipal stormwater requirements, ordinance, or code, per 4.6.D?

Yes  No

If no, please explain why (OPTIONAL):

#### 4.7 Construction Sites

34. Did the Permittee provide new employee training at least one (1) time per year, per 4.7.A?

Yes  No

No new employees were hired during the reporting year.

If no, please explain why (OPTIONAL):

Did the Permittee provide refresher training for existing employees directly involved in these activities at least once every two (2) years, per 4.7.A?

Yes  No

If no, please explain why (OPTIONAL):

Refresher training not applicable this year. Tempe conducted training to all employees with stormwater responsibilities.

35. For construction projects that will result in land disturbance of one (1) acre or more (including those less than one (1) acre, but are part of a larger common plan of development), did the Permittee review at least 80% of plans for new development and redevelopment, per 4.7.B?

Yes  No

If no, please explain why (OPTIONAL):

36. How many applications for new development and redevelopment projects one acre or greater discharging to the MS4 were reviewed, per 4.7.B? 16

37. Did the Permittee develop and update comprehensive inventories (e.g. private and municipal), per 4.7.C.1?

Yes  No

If no, please explain why (OPTIONAL):



38. Did the Permittee develop a mechanism to identify and document facilities subject to the CGP that did not file a timely NOI (does not apply to sites with waivers or No Discharge Certificates) and contain a means of communication with operators of these facilities to inform them of their responsibility to comply, per 4.7.C.2?

Yes  No

If no, please explain why (OPTIONAL):

39. Did the Permittee inspect construction sites identified in the inventory in 4.7.C.1 at least one (1) time every three (3) months for highest priority sites and at least one (1) time every six (6) months for lowest priority sites, based on the prioritization schedule requirements, per 4.7.E.1?

Yes  No

If no, please explain why (OPTIONAL):

40. Did the Permittee conduct follow-up actions of construction sites to ensure stormwater deficiencies/concerns/non-compliance identified as a result of a routine inspection were corrected, per 4.7.E.2?

Yes  No

If no, please explain why (OPTIONAL):

41. Did the Permittee continue to require that plans include erosion and sediment control requirements protective of water quality, per 4.7.F?

Yes  No

If no, please explain why (OPTIONAL):

## 4.8 Post-Construction

42. Did the Permittee provide new employee training at least (1) one time per year to employees with direct stormwater responsibilities, per 4.8.A.1?

Yes  No

No new employees were hired during the reporting year.

If no, please explain why (OPTIONAL):

Did the Permittee provide refresher training for existing employees directly involved in these activities at least once every two (2) years, per 4.8.A?

Yes  No

If no, please explain why (OPTIONAL):

Refresher training not applicable this year. Tempe conducted training to all employees with stormwater responsibilities.

43. Is the Permittee developing a program to control stormwater discharges from areas of new development and redevelopment after construction is complete, including adequate post-construction BMPs, ordinances and policies, per 4.8.B.1.a?

Yes  No

If no, please explain why (OPTIONAL):

44. If the 4.8.B.2 proposal was not submitted prior to the first year annual report, attach as part of your first year annual report, the proposal and supporting documentation of three (3) areas to perform the retrofit feasibility assessment.

If applicable, attach the proposal for Retrofit sites as an attachment. Submitted June 22, 2022, pending ADEQ's approval.

45. For the fourth year annual report, was a feasibility assessment developed to retrofit existing developed sites that are impacting water quality, per 4.8.B.3?

Not applicable for this reporting year.

46. Attach, as part of your fourth year annual report, the 4.8.B.3 retrofit feasibility assessment.

Not applicable for this reporting year.

47. Did the Permittee inspect at least 90% of sites identified in 4.7.C.1 within one (1) year after construction completion to determine the compliance of their post-construction stormwater controls, per 4.8.C.2?

Yes  No

If no, please explain why (OPTIONAL):

*Change in software naming convention, approximately one year ago, caused an unintentional inability to report closed projects requiring the post-construction one year inspection. Once this was discovered in preparing the annual report a contractor was hired in August 2022, to complete all missed inspections. Internal software and tracking updates will be made to prevent this from recurring.*

## Certification

MS4 Certifier Name (printed): Tara Ford

*I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

MS4 Certifier Signature:

Date:

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