



# Storm Water Annual Report

City of Tolleson  
Storm Water Management Program  
July 2014 – June 2015 (Year 12)

Prepared for:



City of Tolleson  
9555 West Van Buren  
Tolleson, AZ 85353

Prepared by:

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October 30, 2015



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## Annual Report Summary and Certification

This annual report has been completed in accordance with the requirements established in the Arizona Pollutant Discharge Elimination System General Permit for Discharge from Small Municipal Separate Storm Sewer Systems (MS4s) to waters of the United States (AZG2002-002). This annual report covers the eleventh year of the storm water program from July 1, 2014 to June 30, 2015. A summary of the annual report is provided below:

### ANNUAL REPORT FOR THE YEAR ENDING JUNE 30, 2014

NPDES Permit Holder: City of Tolleson

Reporting Period: July 1, 2014 – June 30, 2015

AZPDES Permit Number: MS4-2002-36

Person to contact concerning information in this report:

Jason Earp  
Field Operations Director  
9555 West Van Buren  
Tolleson, AZ 85353  
Phone: (623) 478-8730

1. Changes have been made to the SWMP. YES  NO
2. A water body within 10 miles of the municipality's jurisdiction has been indicated as an "impaired" water in Arizona's current 303(d) list. (See Section 3) YES  NO
3. A TMDL has been approved by EPA for a receiving water within 10 miles of the municipality's MS4 jurisdiction. YES  NO
4. The municipality annexed lands. YES  NO
5. The municipality conducted analytical monitoring of storm water quality. YES  NO



## Certification

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 the 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.

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

**Reyes Medrano, Jr.**  
\_\_\_\_\_  
Name (printed)

**City Manager**  
\_\_\_\_\_  
Title



## 1. Introduction

The City of Tolleson applied and received coverage under the Arizona Pollutant Discharge Elimination System (AzPDES) General Permit for Discharge from Small Municipal Separate Storm Sewer Systems (MS4s). The City of Tolleson is covered under the General Permit No. AZG2002-002. One of the conditions for seeking coverage under the General Permit was the development of a Storm Water Management Plan (SWMP).

Based on guidance received from ADEQ, the City will continue to implement its SWMP and submit an annual report until the General Permit is renewed by the state. This annual report summarizes the programs, identified within the City's SWMP, which the City of Tolleson worked on implementing over the past year. This annual report provides a summary of the activities performed by the City of Tolleson during the twelfth year of the permit cycle from July 1, 2014 to June 30, 2015.



## 2. SWMP Status

Upon receiving coverage under the corresponding General Permit, the City of Tolleson began implementing the best management practices (BMPs) that were identified within their SWMP. This section provides a description of the status of compliance with permit conditions and an evaluation of the effectiveness of the identified BMPs.

Table 1 outlines the measurable goals for Year 12. Included in the table is a description of the progress that has been made in satisfying each of the measurable goals and references to sections within this report that describe BMP modifications. The highlighted rows in the table represent measurable goals that will continue into the following year.

Table 1 includes descriptions of methods for measuring BMP effectiveness. While supporting documentation has not been included within this report, it can be obtained from the City of Tolleson upon request.



**Table 1 Year 12 BMP Status**

BMP	Measurable Goal	New for Year 12	Start Date	Implementation Status	Effectiveness in Reducing Pollutants Is Being Measured by	SWMP Note/ Change
<b>Public Education &amp; Outreach</b>						
Storm Water Pollution Prevention Brochure	Distributing the storm water flyer through website		July 2004	Ongoing	Information was distributed through City website: <a href="http://www.tollesonaz.org/index.asp?nid=83">http://www.tollesonaz.org/index.asp?nid=83</a>	
Proper Disposal of Household Hazardous Waste	Distribute flyer through City newsletter		July 2004	Ongoing	A household hazardous waste collection program was held in November 2014 and March 2015.	
Business Education Program	Distribute fact sheet to these businesses		July 2006	Ongoing	Access to information on BMPs for business is at: <a href="http://www.tollesonaz.org/index.asp?nid=83">http://www.tollesonaz.org/index.asp?nid=83</a>	
Regional Storm Water Organization	Participate in STORM		July 2004	Ongoing Will participate next year.	<p>From July 2014 through June 2015:</p> <ul style="list-style-type: none"> <li>- 4,080 people (4,740 visits) visited the STORM website, <a href="http://www.azstorm.org">www.azstorm.org</a></li> <li>- STORM spent \$29,614 on promotional items (bags, magnetic notepads, bracelets, etc.) that were distributed at community events</li> <li>- STORM spent \$15,000 on a movie theater campaign shown on 158 movie screens. It is estimated that the campaign was shown to approximately 2,145,000 people.</li> <li>- STORM spent \$14,070 on billboard messages. It is estimated that 17,101,939 impressions were made.</li> <li>- Between all STORM members a total of 248 events were held with 15,031 promotional items and brochures distributed.</li> </ul>	
Water Conservation Practices For Homeowners	Publish article in City newsletter once a year		April 2003	Ongoing	A water conservation message for homeowners was included on the water quality report that was mailed to residents in May 2015; water conservation information is also posted on the City website: <a href="http://www.tollesonaz.org/index.asp?nid=81">http://www.tollesonaz.org/index.asp?nid=81</a>	1
	Distribute water conservation kits to residents		April 2003	Ongoing	Approximately 80 water conservation kits were distributed.	
Trash Management	Distribute information through City website		March 2006	Ongoing	Garbage routes and collection days are posted on City website: <a href="http://www.tollesonaz.org/DocumentView.asp?DID=136">http://www.tollesonaz.org/DocumentView.asp?DID=136</a>	



BMP	Measurable Goal	New for Year 12	Start Date	Implementation Status	Effectiveness in Reducing Pollutants Is Being Measured by	SWMP Note/ Change
Storm Water Website	Make SWMP and NOI available through the Storm Water Quality Protection website		July 2005	Ongoing	SWMP and NOI are available through City website. There were 130 visits to the Storm Water website during Year 12.	
	Update as necessary		July 2005	Ongoing	Website is updated when necessary.	
<b>Public Participation &amp; Involvement</b>						
Community Storm Water Hotline	Maintain storm water hotline		July 2006	Ongoing	No complaints were received during Year 12.	
Stakeholder Meeting	Hold stakeholder meeting annually regarding the storm water program		April 2003	Ongoing	Participation in two household hazardous waste collection events (November 2014 and March 2015). Participation in STORM. PSAs and promotional items distributed by STORM informed the public about the storm water program and important storm water issues.	2
Storm Drain Markers	Mark storm drain inlets within the City (25% a year)		July 2005	Complete	All storm drains were marked.	3
<b>Illicit Discharge Detection &amp; Elimination</b>						
Identify Illicit Connections	Inspect 20% of all major outfalls each year for dry weather flows		July 2005	Ongoing	All the major outfalls were inspected. No illicit discharges were found.	
Illegal Dumping/Illicit Discharge Ordinance	Establish an ordinance prohibiting illegal and illicit discharges		March 2003	Complete	The ordinance was adopted.	4
<b>Construction Site Storm Water Runoff Control</b>						
SWPPP Checklist	Make SWPPP checklist available to developers		July 2004	Ongoing	Available for access online at: <a href="http://www.tollesonaz.org/index.asp?nid=83">http://www.tollesonaz.org/index.asp?nid=83</a>	
Construction Runoff Control Ordinance	Develop a construction runoff control ordinance		March 2003	Complete	The ordinance was adopted.	5





BMP	Measurable Goal	New for Year 12	Start Date	Implementation Status	Effectiveness in Reducing Pollutants Is Being Measured by	SWMP Note/ Change
Construction Plan and SWPPP Review	Review construction site plans and SWPPPs		July 2004	Ongoing	Six site plans and SWPPPs were reviewed.	
Construction Site Inspections	Continue training inspectors on SWPPP requirements and inspections		March 2003	Ongoing	Seven city employees were trained during Year 12.	
	Inspect construction sites for compliance with SWPPPs		March 2003	Ongoing	Approximately 10 construction inspections were performed.	
Land Grading Plan	Require a grading plan before issuing a grading permit		March 2003	Ongoing	Required under Article X, Section E of the Tolleson City code. Six grading permits were issued.	
<b>Post-Construction Runoff Control</b>						
Post-Construction Ordinance	Develop a post-construction storm water ordinance		March 2003	Complete	The ordinance was adopted.	6
Post-Construction BMP Inspection	Inspect post-construction site for storm water compliance		July 2005	Ongoing	Approximately 10 post-construction inspections were performed.	
	Maintain post-construction BMPs		July 2005	Ongoing	Post-construction inspections were performed to ensure the maintenance of the BMPs.	
Developer Education Program	Make the information available for pickup by interested parties		July 2004	Ongoing	The electronic brochure is available for access online at: <a href="http://www.tollesonaz.org/index.asp?nid=83">http://www.tollesonaz.org/index.asp?nid=83</a>	7
Drainage Design Manual BMPs	Chemical management		March 2003	Ongoing	City followed its chemical management and hazardous material disposal procedures during Year 12.	
	Solid waste management		July 2006	Ongoing	Garbage routes and collection days are posted on City website: <a href="http://www.tollesonaz.org/DocumentView.asp?DID=136">http://www.tollesonaz.org/DocumentView.asp?DID=136</a>	
	Road sweeping		March 2003	Ongoing	Approximately 24 street miles were swept each week.	
	Drainage swales		July 2006	Ongoing	The City maintains City-owned drainage swells as required.	



BMP	Measurable Goal	New for Year 12	Start Date	Implementation Status	Effectiveness in Reducing Pollutants Is Being Measured by	SWMP Note/ Change
<b>Pollution Prevention for Municipal Operations</b>						
Municipal Training Program	Annually train municipal staff		July 2004	Ongoing	Seven city employees were trained during Year 12.	
Vehicle Washing	Wash municipal vehicles at an approved vehicle wash facility		March 2003	Ongoing	Two commercial car wash facilities are used by the City. Municipal vehicles were washed at these facilities during Year 12. The City also has a wash out bay that drains to a grease trap before discharge to the sanitary sewer.	
Hazardous Material Storage	Evaluate and update City hazardous material storage procedures		March 2003	Ongoing	No changes are required for the standard operating procedures report.	
Automobile Maintenance	Emphasize proper disposal practices		July 2005	Ongoing	During Year 12, 300 gallons of automobile oil were recycled.	
	Employee training to explain pollution preventing methods		July 2005	Ongoing	Seven city employees were trained during Year 12.	
Illegal Dumping Control	Train city sanitation staff on identifying and reporting illegal dumping of hazardous wastes		July 2005	Ongoing	Seven city employees were trained during Year 12. No illegal dumping incidents were found during Year 12.	
Street Sweeping	Sweep city streets		March 2003	Ongoing	Approximately 24 street miles were swept each week.	
Used Oil Recycling	Recycle used motor oil from the City's fleet vehicles		March 2003	Ongoing	During Year 12, 300 gallons of automobile oil were recycled.	

## 2.1. SWMP Changes

In May 2015, the City of Tolleson updated their SWMP to continually improve their storm water program. The SWMP was updated to include new BMPs, refine existing BMPs, and to remove some of the BMPs that have been completed. The BMPs that have been modified and removed are summarized in Table 2. New BMPs are summarized in Table 3. The implementation schedule for the new BMPs are summarized in Section 4.

**Table 2 SWMP Changes**

<b>SWMP Change</b>	<b>Min Control Measure</b>	<b>BMP</b>	<b>Modification</b>
1	Public Education	Water Conservation Practices for Homeowners	<u>Modified</u> - The City has discontinued the distribution of their City newsletter. This BMP was modified to provide a water conservation message as part of the City's annual water quality report.
2	Public Involvement	Stakeholder Meeting	<u>Modified</u> - The City has modified this BMP to include hosting a council work session on storm water quality as an option for the stakeholder meeting. The council work session is open to the public and the meeting agenda is posted.
3	Public Involvement	Storm Drain Marking	<u>Modified</u> - All storm drains have been marked within the City. The City has modified this BMP to mark new storm drains when they are constructed.
4	Illicit Discharge Detection and Elimination	Illegal Dumping Illicit Discharge Ordinance	<u>Complete</u> - The City passed a storm water ordinance (No. 453) on March 27, 2007. Since this BMP is complete it has been removed from the SWMP.
5	Construction Site Storm Water Runoff Control	Construction Runoff Control Ordinance	<u>Complete</u> - The City passed a storm water ordinance (No. 453) on March 27, 2007. Since this BMP is complete it has been removed from the SWMP.
6	Post-Construction Runoff Control	Post-Construction Runoff Control Ordinance	<u>Complete</u> - The City passed a storm water ordinance (No. 453) on March 27, 2007. Since this BMP is complete it has been removed from the SWMP.
7	Post-Construction Runoff Control	Developer Education Program	<u>Modified</u> - The developer education program included the preparation of a flyer providing information for developers. This flyer has been available through the City's website. This BMP will be modified to incorporate this information into the City's development guidelines.

**Table 3 New BMPs**

<b>Min Control Measure</b>	<b>BMP</b>	<b>Modification</b>
Public Education	SWMP and Annual Report Availability	<u>Added</u> - This BMP was added to update the City's website on an annual basis to include the current version of the City's SWMP and to include the City's Annual Report.
Public Involvement	Household Hazardous Waste Collection Program	<u>Added</u> - This BMP was added to include participating in household hazardous waste collection program. This BMP will complement the household hazardous waste information BMP that is included as part of the Public Education minimum control measure.
Illicit Discharge Detection and Elimination	Map Storm Drain System	<u>Modified</u> - The City completed a storm drain map in 2006. Since that time additional improvements have been made to the City's storm sewer collection system. The City will update that storm drain map to reflect the new construction since the last update. The City will also review the map on an annual basis and update the map to include new construction.
Illicit Discharge Detection and Elimination	Review Illicit Connection Standard Operating Procedure and Develop an Inspection Checklist	<u>Added</u> - The City will review their current Illicit Connection inspection procedure and update their standard operating procedure as required. The City will also develop a checklist for use by their inspectors.
Construction Site Storm Water Runoff Control	Construction Site Storm Water Inspection Checklist	<u>Added</u> - The City will develop a checklist for use by their inspectors when inspecting a construction site for storm water compliance.
Construction Site Storm Water Runoff Control	Construction Site Inspection Tracking Software Update	<u>Added</u> - The City will update their construction inspection tracking software to include the ability to track storm water compliance.



### 3. 303(d) Listed Impaired Waters

As identified in the Annual Report Summary and Certification section of this document, the City of Tolleson is located within 10 miles of 303(d)-listed waters. Based on the 2012/14 303(d) Impaired Waters List one water was identified within 10 miles of the City of Tolleson. The impaired water, along with the reasons for its impairment is outlined in Table 4 Impaired Surface Waters.

**Table 4 Impaired Surface Waters**

Surface Waters Assessed as Impaired 2012/14 303(d) Impaired Waters		
Surface Water Name Segment Description	Water Body ID	Pollutants of Concern Causing Impairment
Alvord Park Lake	AZL15060106B-0050	Ammonia

The City of Tolleson does not consider its storm water discharge to be the cause of, or contribute to, the impairment of the listed water identified in Table 4. Alvord Park Lake is located east of the City of Tolleson at an elevation approximately 90-feet higher than the City of Tolleson, therefore the City of Tolleson is not a feasible cause of the impairment.



## 4. Program Summary

The City of Tolleson will continue to operate its storm water program until a new storm water permit is issued. The City will continue to work on the implementation of the BMPs outlined within its SWMP and will continue to evaluate the effectiveness of its selected BMPs. In May 2015 the City of Tolleson reevaluated their SWMP and updated various BMPs. Table 5 provides a summary of the BMPs that the City of Tolleson will continue to implement, along with the new BMPs that the City will incorporate into their program.

**Table 5 Program Summary**

<i>Measurable Goal</i>	<i>Start Date</i>	<i>End Date</i>
<b>Public Education &amp; Outreach</b>		
<b>Storm Water Pollution Prevention Brochure</b>		
Distributing the storm water flyer through the City's website	7/04	Ongoing
<b>Proper Disposal of Household Hazardous Waste</b>		
Distribute information on proper disposal of household hazardous waste	7/04	Ongoing
<b>Business Education Program</b>		
Distribute fact sheets to businesses	7/06	Ongoing
<b>Regional Storm Water Organization</b>		
Participate in STORM	7/04	Ongoing
<b>Water Conservation Practices For Homeowners</b>		
Publish article in City newsletter once a year	4/03	Ongoing
Distribute water conservation kits to residents	4/03	Ongoing
<b>Trash Management</b>		
Distribute information through City's website	3/03	Ongoing
<b>Storm Water Website</b>		
Make SWMP and NOI available through the Storm Water Quality Protection website	7/05	Ongoing
Update website as necessary	7/05	Ongoing
<b>SWMP and Annual Report Availability</b>		
Annually post annual report on City's Storm Water Quality website.	7/15	Ongoing
Post updated SWMP on City's Storm Water website.	7/15	Ongoing
<b>Public Participation &amp; Involvement</b>		
<b>Community Storm Water Hotline</b>		
Maintain storm water hotline	7/06	Ongoing
<b>Stakeholder Meeting</b>		
Hold stakeholder meeting annually regarding the storm water program	4/03	Ongoing
<b>Household Hazardous Waste Collection Program</b>		
Participate in a household hazardous wastewater collection program for the City's residents	7/15	Ongoing
<b>Illicit Discharge Detection &amp; Elimination</b>		
<b>Identify Illicit Connections</b>		
Inspect 20% of all major outfalls each year for dry weather flows	7/05	Ongoing



<i>Measurable Goal</i>	<i>Start Date</i>	<i>End Date</i>
<b>Map Storm Drain System</b>		
Update storm drain map to reflect newly constructed infrastructure since last update.	7/15	6/16
<b>Review Illicit Connection Standard Operating Procedure and Develop an Inspection Checklist</b>		
Review illicit connection standard operating procedure and update as required.	7/15	6/16
<b>Construction Site Storm Water Runoff Control</b>		
<b>SWPPP Checklist</b>		
Make SWPPP checklist available to developers	7/04	Ongoing
<b>Construction Plan and SWPPP Review</b>		
Review construction site plans and SWPPPs	7/04	Ongoing
<b>Construction Site Inspections</b>		
Continue training inspectors on SWPPP requirements and inspections	7/05	Ongoing
Inspect construction sites for compliance with SWPPPs	3/03	Ongoing
<b>Land Grading Plan</b>		
Require a grading plan before issuing a grading permit	3/03	Ongoing
<b>Construction Site Storm Water Inspection Checklist</b>		
Develop a checklist for construction site inspections	7/15	6/16
<b>Post-Construction Runoff Control</b>		
<b>Post-Construction BMP Inspection</b>		
Inspect post-construction sites for storm water compliance	7/05	Ongoing
Maintain post-construction BMPs	7/05	Ongoing
<b>Developer Education Program</b>		
Make the information available for interested parties	7/04	Ongoing
<b>Drainage Design Manual BMPs</b>		
Chemical management	3/03	Ongoing
Solid waste management	7/06	Ongoing
Road sweeping	3/03	Ongoing
Drainage swales	7/06	Ongoing
<b>Pollution Prevention for Municipal Operations</b>		
<b>Municipal Training Program</b>		
Annually train municipal staff	7/06	Ongoing
<b>Vehicle Washing</b>		
Wash municipal vehicles at an approved vehicle wash facility	3/03	Ongoing
<b>Hazardous Material Storage</b>		
Evaluate and update City hazardous material storage procedures	3/03	Ongoing
<b>Automobile Maintenance</b>		
Emphasize proper disposal practices	7/05	Ongoing
Employee training to explain pollution prevention methods	7/05	Ongoing
<b>Illegal Dumping Control</b>		
Train City sanitation staff on identifying and reporting illegal dumping of hazardous wastes	7/05	Ongoing
<b>Street Sweeping</b>		
Sweep City streets	3/03	Ongoing
<b>Used Oil Recycling</b>		
Recycle used motor oil from the City's fleet vehicles	3/03	Ongoing