



# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



1110 West Washington Street Phoenix, Arizona 85007  
(602) 771-2300 [www.azdeq.gov](http://www.azdeq.gov)

## Small MS4 Annual Report

**ID #: AZSM65730**

**MS4 Name: CITY OF CHANDLER MS4**

**Reporting Period: 01-Jul-2020 To 30-Jun-2021**

### Main 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

[www.azdeq.gov](http://www.azdeq.gov)

# Annual Report Summary

## Company Information

**Name :** CITY OF CHANDLER-STORMWATER PROGRAM  
PO BOX 4008  
CHANDLER  
AZ , 85244

**Question: During this reporting period, was additional land annexed into the regulated MS4 area?**

Answer: Yes

**Total Area Annexed into the MS4 Since the Last Annual Report:** 115.18 acres

**Were Best Management Practices (BMPs) fully implemented in the annexed area?** Yes

Total area annexed into the MS4 since the last annual report included Five properties with a total of 115.18 acres

**Question: Is stormwater sewer mapping 100 percent complete?**

Answer: Yes

**Provide the description of the measurable goal:**

Mapping of the storm sewer system, response to IDDE related concerns, enforcement of City code and ordinances, inspection and maintenance of drainage structures, post construction inspections and inspections of construction activity.

**Question: Is outfall mapping 100 percent complete?**

Answer: Yes

**Number of outfalls mapped:** 1

**Provide the description of the measurable goal:**

Mapping of storm sewer system, response to IDDE related concerns, enforcement of City code and ordinances, inspection and maintenance of drainage structures, post construction inspections and inspections of construction activity.

**Question: Is identification of receiving waters information 100 percent complete?**

Answer: Yes

**Provide the description of the measurable goal:**

Mapping is completed. The City will continue to add storm water and related structures to GIS map during the the next reporting period. Public and private storm sewer structures will be added to the the City's GIS system following final inspections and the submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

**Question: Has an Illicit Discharge Detection and Elimination (IDDE) enforcement authority or other regulatory mechanism been established?**

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City Manager/ Designee (Chandler Code 1-8.9) Ordinance 3976	30-5 Prohibition against creating a public nuisance and, 45-8 prohibition on non-stormwater discharges	12/13/2007	
City Manager /Designee	Ordinance 3976, City Code Chapter 45-8	12/13/2007	

**Question: Has a Construction Site Stormwater Runoff enforcement authority or other regulatory mechanism been established?**

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Ordinance 3976 - Adopts City of Chandler Manual on Stormwater Quality Protection. 45-8 Prohibition on non- stormwater discharges.	1-8 Code enforcement. City Manager/ Designee (Chandler Code 1-8.9) 30-5 Prohibition against creating a public nuisance. 30-6.5 Right of entry.	12/13/2007	

**Question: Has a Post-Construction Stormwater Management enforcement authority or other regulatory mechanism been established?**

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City of Chandler Manual on Stormwater Quality Protection	Ordinance 3976	12/13/2007	

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Question: For each BMP in the Minimum Control Measure 1: Public Education and Outreach, what was completed during this reporting period?**

Answer:

**BMP Name:** Regional Coordination

**Category:** Meeting

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

***BMP Description :***

The City of Chandler will participate in regional coordination efforts promoting greater public education and outreach.

***Is another government entity responsible for this BMP ?*** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Targeted Audience:** Residents **Frequency:** 6 Annually

***Milestone Description:***

The City will participate in Stormwater Outreach for Regional Municipalities (STORM) and/or other professional organizations (i.e. AZ Water; MAG). Participation in programs will be tracked and evaluated annually for effectiveness and modified as necessary.

***Were milestones/measurable goals achieved for this reporting period?*** Yes

**Actual BMP Start Date:** 07/01/2018

***Provide a description of BMP effectiveness, including metrics used to determine effectiveness.***

City staff participated in 6 AZSTORM meetings.

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to participate in AZSTORM meetings

**BMP Name:** Educational Materials

**Category:** Educational Materials

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

***BMP Description :***

The City of Chandler will promote an education program that increases knowledge on stormwater pollution prevention.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Targeted Audience:** Residents **Frequency:** 1 Quarterly

**Milestone Description:**

The City will develop and distribute educational materials to promote increased stormwater awareness including newsletters, brochures, a stormwater webpage, storm drain inlet markers and promotional items on an annual basis. Typical topics may include residential pollution prevention, water conservation, leaking vehicles, pool drainage, household hazardous waste, pet waste, trash management, illegal dumping, restaurants, HOAs, recycling program, webpages and newsletter articles. Materials may be displayed or distributed at City locations or events. Target audience is primarily the public. Additional target audiences may be evaluated when necessary. Materials will be distributed, evaluated, tracked and modified when necessary. An example of materials distributed will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City maintains a significant inventory of brochures, educational materials, webpage, articles and other outreach items to distribute to the public. Additionally, we have a plinko game and a prize wheel. The City purchased \$1,054.23 of new educational materials during the reporting period.

The City hosted 6 educational events during FY 2021, including: Earth Day / Arbor Day Event with Scavenger Hunt at the Environmental Education Center. Estimated attendance was 300, with approximately 100 with direct discussion. Staff distributed Storm Drains: Do You Know Where Stormwater Pollutants End Up? (100), Pollution Prevention brochures (100) and Pool Drainage brochures (100). Additional items distributed included 300 coloring books, 500 Mood Pencils and 300 Can Covers.

Transit Bike Ride Event - Estimated participation with direct discussion was (100) with an estimated attendance of approximately 200 participants. 200 Lanyard keychains were distributed to participants. The City also updated and printed 70,000 copies of pool drainage brochures for distribution.

**Provide a summary of activities planned for next reporting period**

**Main 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

www.azdeq.gov

**BMP does not apply for next reporting period:**

No

**Milestone Description:**

The City will continue to purchase and maintain educational outreach items that will be distributed throughout the City.

---

**BMP Name:** Educational Events

**Category:** Special Event

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will participate in educational events that provide opportunities to increase knowledge on stormwater related topics.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Targeted Audience:** Residents /Visitors **Frequency:** 6 Annually

**Milestone Description:**

The City will participate in educational events, community events, festivals, workshops and open houses. The educational events are tracked and reviewed annually. Updates will be made as necessary. Attendance at events will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City hosted 6 educational events during FY 2021, including:  
Earth Day / Arbor Day Event with Scavenger Hunt at the Environmental Education Center. Estimated attendance was 300, with approximately 100 with direct discussion. Staff distributed Storm Drains: Do You Know Where Stormwater Pollutants End Up? (100), Pollution Prevention brochures (100) and Pool Drainage brochures (100). Additional items distributed included 300 coloring books, 500 Mood Pencils and 300 Can Covers.

Transit Bike Ride Event - Estimated participation with direct discussion was (100) with an estimated attendance was approximately 200 participants  
200 Lanyard keychains were distributed to participants

Stormwater Awareness Week - 35 participants, with one winner that received an Ipad 8. Participants were required to complete a Storm Water related survey

Environmental Art Contest - Estimated attendance was 400, including 19 winners

Civic Event - estimated participation was 18 including pollution prevention.

Pageviews Avg. Time on Page (in seconds)(166.53)

/residents/water/stormwater 451 370 166.53

/residents/water/stormwater/pollution-prevention-construction 144 82 170.95

/residents/water/stormwater/pollution-prevention 76, 64, 193.79

/government/departments/development-services/unified-development-manual 8,903, 4,701, 185.61

Stormwater Brochure Downloads: 12

2019 Stormwater Annual Report: Downloads: 69

Downloads: 69

Stormwater Video

Views: 43

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to participate educational events, including but not limited to community events and /or festivals, workshops, or other educational events.

---

***BMP Name:*** Stormwater Webpage

***Category:*** Webpage

***Personnel Position/Department:*** Stormwater Program Staff / Management Services and/or Public Information Officer / Communications and Public Affairs Staff

**Main 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

www.azdeq.gov

***BMP Description :***

The City of Chandler will maintain a stormwater webpage to promote education and communication on stormwater related topics.

***Is another government entity responsible for this BMP ?*** No

***Measurable Goals:***

***Start Date:*** 09/30/2016

***Targeted End Date:*** 09/29/2021

***Targeted Audience:*** General Public      ***Frequency:*** 100 Percent per year

***Milestone Description:***

The targeted audience is the public. The information will be tracked and reviewed annually. Updates will be made as necessary. Webpage activity will be reported annually.

***Were milestones/measurable goals achieved for this reporting period?*** Yes

***Actual BMP Start Date:*** 07/01/2018

***Date:***

***Provide a description of BMP effectiveness, including metrics used to determine effectiveness.***

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City will continue to maintain and update the Stormwater webpage with applicable content.  
From July 1, 2020 – June 30, 2021

Pageviews Avg. Time on Page (in seconds)(166.53)

/residents/water/stormwater 451 370 166.53

/residents/water/stormwater/pollution-prevention-construction 144 82 170.95

/residents/water/stormwater/pollution-prevention 76, 64, 193.79

/government/departments/development-services/unified-development-manual 8,903, 4,701, 185.61

Stormwater Brochure Downloads: 12

2019 Stormwater Annual Report: Downloads: 69

Stormwater Video

Views: 43

Watched an Average: 1:40

The City will continue to maintain and update the Stormwater webpage with applicable content.  
From July 1, 2020 – June 30, 2021

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to to maintain a Stormwater related webpage.

**Question: Minimum Control Measure 1: Public Education and Outreach, Did the program implement any additional BMPs during this reporting period?**

Answer:

***Did the program implement any additional BMPs during this reporting period?*** No

***Provide a summary of compliance with the requirements for Minimum Control Measure1.***

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City distributed the following items during the reporting period:

The City hosted 6 educational events during FY 2021, including:

Earth Day / Arbor Day Event with Scavenger Hunt at the Environmental Education Center. Estimated attendance was 300, with approximately 100 with direct discussion. Staff distributed Storm Drains: Do You Know Where Stormwater Pollutants End Up? (100), Pollution Prevention brochures (100) and Pool Drainage brochures (100). Additional items distributed included 300 coloring books, 500 Mood Pencils and 300 Can Covers.

Transit Bike Ride Event - Estimated participation with direct discussion was (100) with an estimated attendance of approximately 200 participants

200 Lanyard keychains were distributed to participants

City Scope newsletter - December 2020 to January 2021: Article - Be the solution to stormwater pollution, illegal dumping and the City's household hazardous waste collection facility.

City Scope newsletter May to June 2021: Be a responsible pet owner. abide by leash laws, cleaning up animal waste and responsibilities of pet owners.

2020 Drinking Water Quality Consumer Confidence Report including Storm Water Pollution Prevention Tips such as, Be the solution to storm water pollution and Only Rain in the storm drain and sweep yard debris and properly dispose of in the trash, rather than blowing or hosing into the street. Contain pool or spa water on private property or dispose of it in the sanitary sewer clean-out associated with the home. Draining pool water into the street or other City right -of way is prohibited by City Code. Use fertilizers and pesticides sparingly and as directed by the manufacturer, pick up after your pet and properly dispose of the waste in the trash. Wash your car on a lawn or other unpaved surface, or use a commercial car wash. Always use a nozzle on your garden hose around the home. Do not let the water free flow into the street.

Maintain vehicles to be leak free and do not park leaking vehicles on the street. Do not over water your lawn. Report illegal dumping into streets and storm drains by calling 480-782-3503 or [www.chandler.az.gov](http://www.chandler.az.gov). Minimize your purchase and use of hazardous products. Dispose of unused quantities properly. Please contact Solid Waste Services at 480-782-3510 for proper disposal guidelines of hazardous waste materials such as used motor oil and other similar fluids.

Staff installed 25 Storm Drain Inlet markers.

**Question: For each BMP in the Minimum Control Measure 2: Public Involvement and Participation, what was completed during this reporting period?**

Answer:

**BMP Name:** Annual SWMP Review

**Category:** Public Participation

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Public Information Officer / CAPA

**BMP Description :**

The City of Chandler will promote public involvement and participation in an annual review of the City's Stormwater Management Plan (SWMP).

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

The SWMP and Annual Reports will be posted on the City's Stormwater Program website year round. The City will promote a 30 day timeframe for the public to review the plan on an annual basis. The method for review will be evaluated for effectiveness and modified as necessary. Participation will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The SWMP and Annual reports are available to the public. The City received one response regarding the Stormwater program.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to provide the SWMP and Annual reports on a webpage or other platform for public review.

**BMP Name:** "Regional Coordination"

**Category:** Public Participation

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will participate in regional coordination efforts promoting greater public involvement and participation.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 6 Annually

**Milestone Description:**

The City will participate in Stormwater Outreach for Regional Municipalities (STORM) and/or other professional organizations (i.e. AZ Water; MAG). Participation in programs will be tracked and evaluated annually for effectiveness and modified as necessary. Participation will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will continue to participate in regional coordination efforts promoting greater public involvement and participation by participating in Stormwater Outreach for Regional Municipalities (AZ STORM). The City is a proud member of Stormwater Outreach for Regional Municipalities (STORM). The membership fee for the City is \$5,000.

Facebook Posts: Over 64,000

Added 58 new followers

Over 8,000 Engagements

Over 64,316 People reached

Posts included Properly dispose of trash monsoon storm's prevent wild fires, water cycle,

Monsoon Awareness: People reached 235,737

Reactions, Comments and shares 92

Post Clicks 12,780

Engagements 12,872

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

City staff will participate and /or serve in an active role with AZSTORM.

---

**BMP Name:** Public Involvement and Participation

**Category:** Public Involvement

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

***BMP Description :***

The City of Chandler will promote public involvement and participation for the public.

***Is another government entity responsible for this BMP ?*** No

**Measurable Goals:**

***Start Date:*** 09/30/2016

***Targeted End Date:*** 09/29/2021

***Frequency:*** 6 Annually

***Milestone Description:***

The City will promote public involvement and participation through a variety of means which may include but not be limited to a community hotline, contact forms, social media, webpages, public meetings, City events/festivals, contests and training sessions. The City will follow public notice requirements for public meetings and track participation when possible. Public involvement and participation will be tracked and evaluated annually for effectiveness and modified as necessary. Activities will be reported annually.

***Were milestones/measurable goals achieved for this reporting period?*** Yes

***Actual BMP Start Date:*** 07/01/2018

***Date:***

***Provide a description of BMP effectiveness, including metrics used to determine effectiveness.***

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City hosted 6 educational events during FY 2021, including: Earth Day / Arbor Day Event with Scavenger Hunt at the Environmental Education Center. Estimated attendance was 300, with approximately 100 with direct discussion. Staff distributed Storm Drains: Do You Know Where Stormwater Pollutants End Up? (100), Pollution Prevention brochures (100) and Pool Drainage brochures (100). Additional items distributed included 300 coloring books, 500 Mood Pencils and 300 Can Covers.

Transit Bike Ride Event - Estimated participation with direct discussion was (100) with an estimated attendance was approximately 200 participants

200 Lanyard keychains were distributed to participants

Stormwater Awareness Week - 35 participants, with one winner that received an iPad 8. Participants were required to complete a Storm Water survey.

Environmental Art Contest - Estimated attendance was 400, including 19 winners

Civic Event - estimated participation was 18 including pollution prevention.

The City received three response's from residents regarding SWMP.

Pageviews Avg. Time on Page (in seconds)(166.53)

/residents/water/stormwater 451 370 166.53

/residents/water/stormwater/pollution-prevention-construction 144 82 170.95

/residents/water/stormwater/pollution-prevention 76, 64, 193.79

/government/departments/development-services/unified-development-manual 8,903, 4,701, 185.61

Pageviews Avg. Time on Page (in seconds)(166.53)

Stormwater Brochure Downloads 12

Hotline calls

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to host educational events and promote public involvement and participation opportunities throughout the next reporting period.

The City also received 83 calls on the hotline. The City will continue to maintain a hotline for the public.

**Question: For Minimum Control Measure 2: Public Involvement and Participation, Did the program implement any additional BMPs during this reporting period?**

Answer:

***Did the program implement any additional BMPs during this reporting period?*** Yes

***BMP Name:*** Stormwater Program Survey

***Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:***

**Main 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

www.azdeq.gov

The City initiated a contest for City residents to answer a series of storm water related survey questions, for a chance to win a new iPad 8.

19 residents submitted their responses to be enrolled in the contest. One lucky winner took home the iPad.

**Will this BMP be used for future reporting periods?** No

**Provide a narrative as to why the BMP will not be continued:**

The City may or may not continue the contest and/or the survey depending on funding.

**Provide a summary of compliance with the requirements for Minimum Control Measure2.**

The City initiated a stormwater related survey consisting of questions associated with the program. 35 residents participated, with one resident winning an iPad8 tablet. The winner was randomly selected. The cost of the tablet was valued at \$322.32

**Question: For each BMP in the Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, what was completed during this reporting period?**

Answer:

**BMP Name:** IDDE Staff Training

**Category:** Staff Training

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will provide training for City staff on the illicit discharge detection and elimination program.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 20 Percent per year

**Milestone Description:**

Appropriate City staff will be trained on the IDDE program. The number of employees trained will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** No

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**ADEQ Directed** No

**Change:**

**Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.**

The City did not require in person training for IDDE related classes during the reporting period due to Covid -19.

129 staff members completed Hazwoper training.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will provide on-line IDDE related training during the next reporting period.

**BMP Name:** Visual Dry Weather Outfall Monitoring

**Category:** Dry Weather Screening

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will conduct visual dry weather outfall monitoring to ensure there are no illicit discharges, ineffective BMPs, or maintenance concerns.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 4 Annually

**Milestone Description:**

Inspections of City structures identified as dry weather screening points will occur twice per year. The location and/or frequency of inspections may be modified as determined by conditions in the field on an annual basis. Locations of structures inspected will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff completed visual dry weather outfall monitoring on 6/30/2021. The City will continue conducting visual dry weather outfall monitoring during the next reporting period.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue conducting visual dry weather outfall monitoring during the next reporting period.

---

**BMP Name:** Legal Authority Review

**Category:** Legal Review

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Law Department

**BMP Description :**

The City of Chandler will review and update procedures when necessary to ensure they are compliant with the new permit.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

The City will review City codes and other regulations for compliance with the new permit and update if necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 09/27/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will review current City codes and consider updates and or revisions if necessary, to maintain compliance.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will update City codes and/or other regulations when necessary.

---

**BMP Name:** Illicit Discharge Response

**Category:** Written IDDE Procedures

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**BMP Description :**

To detect and eliminate illicit discharges and connections to the City's MS4.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 100 Percent per year

**Milestone Description:**

Illicit discharges will be responded to as soon as practicable. The majority of responses will occur on the same day as reported if possible. The number of calls associated with the response of an illicit discharge will be tabulated and reported within the annual report.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff responded to 23 IDDE related calls during the reporting period.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to respond to IDDE related calls during the next reporting period.

**BMP Name:** Illicit Discharge Response

**Category:** Implement IDDE Program

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will investigate illicit discharges and attempt to identify their source.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 100 Percent per year

**Milestone Description:**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City will investigate illicit discharges immediately as noted by City staff, the general public, or complaints received. Investigations will follow SOPs outlined in the IDDE program, and will be resolved as quickly as possible. The number of incidents responded to will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff responded to 23 IDDE related calls during the reporting period. The City has implemented a new policy to follow-up on IDDE related calls within 3 business days.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to respond to IDDE related calls.

**BMP Name:** Storm Sewer System Mapping

**Category:** GIS System

**Personnel Position/Department:** GIS Services Staff / Development Services

**BMP Description :**

The City of Chandler's GIS system will incorporate modifications to the storm sewer system map as new public and private structures are added into the City's system.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 6 Annually

**Milestone Description:**

GIS features will be added into Chandler's existing system following final inspections and submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City updates GIS related storm drainage structures annually. 2,211 new drainage structures were added during the reporting period.

Bubbler Boxes (52), Catch Basins (413), Dry Wells (176), Equalizer Pipes (30), Inlets (4), Outlets (86), Retention Basins (35), Scupper (49), Spillways (9), Storm Clean-outs (54), Underground Retention (59), Storm Drain Manhole covers (90), Detention Manholes (98), Drywell Interceptors (164), Storm Water Main Line (89LF).

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to update GIS related storm drainage structures annually.

***BMP Name:*** Visual Stormwater Discharge Monitoring

***Category:*** Wet Weather Monitoring

***Personnel Position/Department:*** Stormwater Program Staff and/or Environmental Management Staff / Management Services

***BMP Description :***

The City will monitor a minimum of 5 representative outfalls two times during each wet season. Selected outfalls will be evaluated annually and modified if necessary. Locations of structures inspected will be reported annually.

***Is another government entity responsible for this BMP ?*** No

***Measurable Goals:***

***Start Date:*** 09/30/2016

***Targeted End Date:*** 09/29/2021

***Frequency:*** 4 Annually

***Milestone Description:***

The City will monitor a minimum of 5 representative outfalls two times during each wet season. Selected outfalls will be evaluated annually and modified if necessary. Locations of structures inspected will be reported annually.

***Were milestones/measurable goals achieved for this reporting period?*** Yes

***Actual BMP Start Date:*** 07/01/2018

***Date:***

***Provide a description of BMP effectiveness, including metrics used to determine effectiveness.***

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City conducted visual discharge monitoring on the following dates:

8/21/20

12/10/20

3/19/21

6/23/21

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to conduct visual discharge monitoring during the next reporting period.

**Question: For Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, Did the program implement any additional BMPs during this reporting period?**

Answer:

**Did the program implement any additional BMPs during this reporting period?** No

**Provide a summary of compliance with the requirements for Minimum Control Measure3.**

City staff responds to Illicit Discharge calls throughout the year. Staff responded to 23 Illicit discharge's during the reporting period. 23 Notice to comply forms were issued. Additionally, staff provides outreach materials such as City letters, brochures such as You Are the solution to Stormwater Pollution, Only Rain in the Storm Drain and Storm Drains: Do you know where pollutants end up? The City issued 23 Notice to comply forms, 23 City Letters, 23 Storm Drains: Do you know where stormwater Pollutants end up?, You are the Solution to Stormwater Pollution brochures.

**Question: Were staff trained in IDDE Awareness and Response?**

Answer:

No

**Why weren't training events conducted?**

The City provided Illicit Discharge training to staff during FY2020.

239 field staff completed IDDE related training.

The City will continue to provide IDDE related training to appropriate staff via the City' s LEAF learning system.

**Question: Minimum Control Measure 1: Illicit Discharge Detection and Elimination Program, Provide the details of the Illicit Discharge Detection and Elimination (IDDE) incidents that occurred during this reporting period.**

Answer:

**Number of IDDE incidents reported in this reporting period:** 23

**Number of IDDE incidents responded to in this reporting period:** 23

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	23	23	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	23	23	0

**Question: Were there any unpermitted discharges to the MS4?**

Answer: No

**Question: Were any samples collected to characterize illicit discharge(s) in this reporting period?**

Answer: No

**Number of Illicit Discharges Sampled are:**

Such discharges are generally associated with swimming pool discharges. The City has an review and approval process in place to assist homeowners that do not have sanitary sewer clean-outs.

**Question: For each BMP in the Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, what was completed during this reporting period?**

Answer:

**BMP Name:** Erosion and Sediment Control Plan

**Category:** Erosion/ Sediment Control

**Personnel Position/Department:** Development Services Staff / Development Services

**BMP Description :**

Require the submittal of an Erosion and Sediment Control Plan for development projects that exceed one acre or greater in disturbed area

**Is another government entity responsible for this BMP ?** No

**Main 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

www.azdeq.gov

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

Plans will be reviewed throughout the permit term.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City's development Services Division received 145 Sediment and Erosion Control Plans during the reporting period.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to require the submittal of Sediment and Erosion Control Plans during the reporting period.

**BMP Name:** Construction Plan Review

**Category:** Site Plan Review

**Personnel Position/Department:** Development Services Staff / Development Services

**BMP Description :**

The City of Chandler will maintain a construction plan review program.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

The City will perform construction plan reviews. Procedures will be reviewed annually and updated as necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Actual BMP Start** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City Plan Review staff reviewed 159 projects.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City's development Services Division will continue to conduct review of development plans during the reporting period.

**BMP Name:** Inventory

**Category:** Inventory

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Development Services

**BMP Description :**

The City of Chandler will maintain an inventory of construction sites.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

The City will maintain an inventory of construction sites. Procedures will be reviewed annually and updated as necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will continue to maintain an inventory of construction sites. City staff conducted a total of 80 inspections of 56 locations. All of the sites were inspected off-site due to Covid-19 concerns.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

City staff will continue to conduct inspections of construction sites within the City. The City will evaluate inspection procedures based on Covid-19 concerns during the next reporting period.

---

**BMP Name:** Educational Materials for Construction Activity Stormwater Runoff Control

**Category:** Construction Operator Training

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will review and distribute educational materials for construction activity stormwater runoff control.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

The City will review the Construction Activity Stormwater Runoff Control program educational materials and/or brochures annually and update them as necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

Construction related educational materials were not distributed due to Covid -19 concerns. The City and or AZSTORM may distribute educational materials and or brochures when safe to do so.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City plans to continue to conduct site inspections during the next reporting period, provided staff are safe. The City will evaluate conditions during the next reporting period. City staff will continue to conduct inspections provided that it is safe to do so. A combination of on-site and or off-site inspections will be considered based on Covid -19.

---

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**BMP Name:** Inspections

**Category:** Inspections

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of Chandler will maintain a construction inspection program.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

The City will perform construction inspections. Procedures will be reviewed annually and updated as necessary. The number of inspections conducted will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City conducted 80 inspections of local construction sites at 56 locations. City staff will continue to conduct inspections provided that it is safe to do so.

A combination of on-site and or off-site inspections will be considered based on Covid -19.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to conduct inspections of local construction sites.

**BMP Name:** Construction Activity Stormwater Runoff Control

**Category:** Control Wastes

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

Requirements to control wastes such as discarded building materials, paints, fertilizers, concrete wash out, chemicals, litter, and sanitary wastes.

**Is another government entity responsible for this BMP ?** No

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

The goal of the program is to prevent pollution of stormwater in the MS4 from construction site activities and wastes.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff conducted a total of 80 inspections of local construction sites for 56 locations. The goal of the program is to prevent pollution of stormwater in the MS4 from construction activities and wastes. The City will continue to maintain a solid construction activity runoff control program, incorporating site inspections, inventory of construction site locations, reviewing site plans, and/or erosion and sediment control plans, distributing educational materials.

The City will consider participating in construction related operator training, based on Covid-19 and or participate with AZSTORM with an educational event for local construction operators.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

City staff will continue to conduct inspections of local construction activities during the next reporting period.

**Question: For Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Did the program implement any additional BMPs during this reporting period?**

Answer:

**Did the program implement any additional BMPs during this reporting period?** No

**Provide a summary of compliance with the requirements for Minimum Control Measure4.**

The City will continue to review site plans, require erosion control plans, conduct inspections of local construction activities, maintain a list of inspections conducted, and to partner with AZSTORM to provide training opportunities.

**Question: Were any construction activity operator training events conducted?**

Answer:

No

**Main 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

www.azdeq.gov

**Why weren't training events conducted?**

City staff did not participate in operator training events due to Covid -19.

**Question: Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Provide the details of the construction activity complaints and inspections that were conducted during this reporting period.**

Answer:

**Number of active construction sites in this reporting period:** 80  
**Has an inspection frequency been developed and implemented?** YES  
**Number of active construction sites inspected at least weekly:** 2  
**Number of active construction sites inspected at least one time every six months:** 10  
**Number of active construction sites inspected at least monthly:** 4  
**Number of active construction sites inspected at least annually:** 80  
**Number of construction activity complaints that were resolved or responded to:** 0  
**Number of active construction sites not inspected:** 1  
**Number of construction activity complaints received in this reporting period:** 0  
**Number of active construction sites that required re-inspections in this reporting period:** 0

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

	Total	0	0	0
--	-------	---	---	---

**Question: For each BMP in the Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, what was completed during this reporting period?**

Answer:

**BMP Name:** Final Inspections

**Category:** Structural/Non-Structural BMP

**Personnel Position/Department:** Stormwater Program Staff / Management Services and/or Development Services

***BMP Description :***

The City of Chandler will implement an inspection program that focuses on City storm sewer system structures.

***Is another government entity responsible for this BMP ?*** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

***Milestone Description:***

The City will conduct final, 1 year warranty and proactive inspections to identify potential concerns or deficiencies. Private structures found to be in need of maintenance or in disrepair will be addressed with the property owner. Inspection process and procedures will be reviewed and updated as necessary. The type and number of structures inspected will be reported annually.

***Were milestones/measurable goals achieved for this reporting period?*** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

***Provide a description of BMP effectiveness, including metrics used to determine effectiveness.***

- Church of the Cross
- Creme de la Creme Day Care
- Sonora Crossings Phase 1
- Chandler Corporate Office Phase1
- Ocotillo Crossing

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to conduct final inspections.

---

**BMP Name:** Site Plan Review

**Category:** Site Plan Reviews

**Personnel Position/Department:** Development Services Staff / Development Services

**BMP Description :**

The City of Chandler will review civil plan submittals to ensure compliance with City standards and requirements.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

The City will perform a technical evaluation and review of building and site plans and design and construction documents to ensure compliance with City development ordinances and International Construction Codes, including but not limited to, architectural, structural, electrical, plumbing, mechanical, fire safety, health, and other applicable codes.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff reviewed and approved 36 projects.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to review site plans.

---

**BMP Name:** Post-Construction Educational Materials

**Category:** Educational Materials

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

The City of will review and update educational materials for post construction management.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

The City will review educational materials for post construction management. Educational materials will be reviewed and updated as necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will provide Post Construction educational materials as needed, including, but not limited to Technical Design Manual -3, standard details and specifications.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to respond to Post Construction related concerns.

**BMP Name:** Operations & Maintenance

**Category:** O&M Procedures

**Personnel Position/Department:** Stormwater Program Staff / Management Services and/or Development Services

**BMP Description :**

The City will conduct post construction inspections during final inspections and/or 1-year warranty inspections and/or proactive inspections or if field observations or complaints are received.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 25 Percent per year

**Milestone Description:**

The City will document and notify business's, HOA's and other responsible parties upon observations of post construction issues.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff conducted pro-active inspections of 3,511 drainage structure's and maintained 3,984 drainage structures.

Staff conducted 5 final inspections.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to conduct pro-active inspections and maintenance of drainage structures.

**BMP Name:** Inventory GIS System

**Category:** Inventory

**Personnel Position/Department:** GIS Services Staff / Development Services

**BMP Description :**

The City of Chandler will maintain an up to date inventory of post-construction structural control measures.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 75 Percent per year

**Milestone Description:**

The City will maintain an inventory of post-construction structural control measures in the GIS system. Structures will be added into Chandler's existing system following final inspections and submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City updates GIS related storm drainage structures annually. 2,211 new drainage structures were added during the reporting period.

Bubbler Boxes (52), Catch Basins (413), Dry Wells (176), Equalizer Pipes (30), Inlets (4), Outlets (86), Retention Basins (35), Scupper (49), Spillways (9), Storm Clean-outs (54), Underground Retention (59), Storm Drain Manhole covers (90), Detention Manholes (98), Drywell Interceptors (164), Storm Water Main Line (892).

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to maintain an inventory of post construction control measures.

**Question: For Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Did the program implement any additional BMPs during this reporting period?**

Answer:

**Did the program implement any additional BMPs during this reporting period?** No

**Provide a summary of compliance with the requirements for Minimum Control Measure5.**

City staff responded to one post construction related complaint at Crestview Chateau Apartments. City Code Enforcement issued a Notice to Comply.

**Question: Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Provide the details of the Post-Construction Stormwater controls used during this reporting period**

Answer:

**Number of sites that required Post-Construction Stormwater controls in this reporting period:** 1

**Number of Post-Construction Stormwater controls inspected in this reporting period:** 3511

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	1	1	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0

**Main 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

www.azdeq.gov

5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	1	1	0

**Question: For each BMP in the Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?**

Answer:

**BMP Name:** Operations and Maintenance of Storm Sewer System

**Category:** O&M Procedures

**Facility Information:**

Household Hazardous Waste Collection Facility

Armstrong Yard

**Personnel Position/Department:** Stormwater Program Staff / Management Services and/or  
Stormwater Maintenance Staff / Public Works & Utilities

**BMP Description :**

The City of Chandler will conduct maintenance of the City storm sewer system.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Daily

**Milestone Description:**

The City storm sewer system structures identified during proactive inspections will be maintained and work orders will be generated and tracked when maintenance needs are identified. The number of structures maintained will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

City staff conducted 3,511 storm sewer system structures inspections and completed maintenance of 3,984 .

**Main 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

www.azdeq.gov

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to conduct inspections and maintenance of the storm drain system.

---

**BMP Name:** Implement Controls

**Category:** Maintenance Activities

**Facility Information:**

Household Hazardous Waste Collection Facility  
Armstrong Yard

**Personnel Position/Department:** Stormwater Program Staff / Management Services and/or  
Stormwater Maintenance Staff and/or Streets Division Staff /  
Public Works & Utilities

**BMP Description :**

The City of Chandler will contain loose bulk materials such as dirt, street sweeping debris and other materials in separate three sided bins.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Weekly

**Milestone Description:**

The City will maintain bulk material bins and evaluate the effectiveness and need for additional bins and modify as necessary.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will continue to maintain bulk material bins for storage of debris and other materials.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City will continue to maintain bulk material bins, conduct street sweeping activities and properly dispose of debris from the MS4.

---

**BMP Name:** Street Sweeping

**Category:** Maintenance Schedule

**Facility Information:**

Household Hazardous Waste Collection Facility

Armstrong Yard

**Personnel Position/Department:** Public Works & Utilities Staff / Public Works & Utilities

**BMP Description :**

The City will maintain a street sweeping program

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Weekly

**Milestone Description:**

The City will track street sweeping metrics including lane miles swept and amount of materials removed. The amount of material removed and lane miles swept will be reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

Street sweeping activities included the following: 1,978 tons of debris was removed from the City streets. The street sweeper wash bay was and cleaned by Ancon on 47 occasions and 20 times by City staff. the wash bay had 264 tons of material removed out of the system by Ancon (Contractor).

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to conduct street sweeping activities in the City yard and on City streets.

---

**BMP Name:** Inventory and Prioritization of Municipal Operations and Site Inspections

**Category:** Inventory

**Facility Information:**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

Household Hazardous Waste Collection Facility

Armstrong Yard

**Personnel Position/Department:** Environmental Management Staff / Management Services

**BMP Description :**

An inventory of city owned facilities will be collected and ranked according to potential environmental hazard or risk.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

A list of City owned facilities will be established and an annual prioritized inspection workplan will be developed. The inventories will identify activities performed at each facility, chemicals stored, and inspection guidelines based on each type of facility. Facilities inspected will be tracked and reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Date:**

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City has established a list of City facilities that require inspections.

Pollution Prevention and Good Housekeeping for Municipal Operations - Facility Inventory, Priority and Inspection Date

Building & Facilities

Facility Location Generator (Y/N) Chemical Storage (Y/N) Solid Waste Storage (Y/N) Inspection

Frequency Site Priority (1 - 3) Inspection Date Re-Inspection Date

1 COURTS 200 E Chicago St. YNY 33 10/1/2020

2 CITY HALL COMPLEX 175 S. Arizona Ave YNY 3 5/27/2021

3 FIRE STATION 11475 E Pecos Rd. YYY 12 8/19/2020

4 FIRE STATION 21911 N. Alma School YYY 1 8/19/2020

5 FIRE STATION 3275 S. Ellis St. YYY 111 8/19/2020

6 FIRE STATION 4295 N. Kyrene Rd. YYY 12 8/19/2020

7 FIRE STATION 51775 W Queen Crk Rd. YYY 1 2 8/27/2020

8 FIRE STATION 6911 N. Jackson St. YYY 12 8/27/2020

9 FIRE STATION 76125 S. Gilbert Rd. YYY 12 12/2/2020

10 FIRE STATION 8711 W. Frye Rd. YYY 12 10/7/2020

11 FIRE STATION 9211 N Desert Breeze Bl. YYY 2 9/3/2020

12 FIRE STATION 105211 S. McQueen Rd. YYY 1/29/3/2020

13 Fire Station 114200 S. Gilbert Rd YYY 12 9/3/2020

14 Fire Admin 151 E Boston St. YNY 13 10/1/2020

15 FIRE SUPPORT 163 S. Price Rd. YYY 22 10/8/2020

16 CENTER FOR THE ARTS 250 N. Arizona Av. YYY 2 12/23/2020

17 POLICE DEPT. 250 E. Chicago St. YYY 11 10/1/2020

18 TRANSPORTATION AND DEVELOPMENT/IT 215 E Buffalo St. YNY 3 11/4/20 & 11/18/20

19 POLICE PROPERTY & EVIDENCE 576 W. Pecos Rd. Y

***Provide a summary of activities planned for next reporting period***

***BMP does not apply for next reporting period:*** No

***Milestone Description:***

The City will continue to conduct facility inspections during the next reporting period.

---

***BMP Name:*** Training

***Category:*** Training

***Facility Information:***

Household Hazardous Waste Collection Facility

Armstrong Yard

***Personnel Position/Department:*** Stormwater Program Staff / and/or Environmental Management Staff / Management Services

***BMP Description :***

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

The City of Chandler will provide training on Pollution Prevention and Good Housekeeping Techniques.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Frequency:** 1 Annually

**Milestone Description:**

Appropriate City staff will participate in stormwater training focused on Pollution Prevention and Good Housekeeping Practices. Participation will be tracked and evaluated for effectiveness.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

The City will provide on-line training for both IDDE and Pollution prevention related training to appropriate field staff.

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

**Milestone Description:**

The City will continue to address sediment and debris located in City rights-of way.

**BMP Name:** Site Inspections

**Category:** Inspections

**Facility Information:**

Household Hazardous Waste Collection Facility

Armstrong Yard

**Personnel Position/Department:** Stormwater Program Staff and/or Environmental Management Staff / Management Services

**BMP Description :**

An inventory of city owned facilities will be collected and ranked according to potential environmental hazard or risk.

**Is another government entity responsible for this BMP ?** No

**Measurable Goals:**

**Start Date:** 09/30/2016

**Targeted End Date:** 09/29/2021

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

**Frequency:** 1 Annually

**Milestone Description:**

A list of City owned facilities will be established and an annual prioritized inspection work plan will be developed. The inventories will identify activities performed at each facility, chemicals stored, and inspection guidelines based on each type of facility. Facilities inspected will be tracked and reported annually.

**Were milestones/measurable goals achieved for this reporting period?** Yes

**Actual BMP Start Date:** 07/01/2018

**Provide a description of BMP effectiveness, including metrics used to determine effectiveness.**

Facility Location Generator (Y/N) Chemical Storage (Y/N) Solid Waste Storage (Y/N) Inspection Frequency Site Priority (1 - 3) Inspection Date Re-Inspection Date

- 1 COURTS 200 E Chicago St. YNY 3310/1/2020
- 2 CITY HALL COMPLEX 175 S. Arizona Ave YNY 33 5/27/2021
- 3 FIRE STATION 11475 E Pecos Rd. YYY 128/19/2020
- 4 FIRE STATION 21911 N. Alma School YYY 128/19/2020
- 5 FIRE STATION 3275 S. Ellis St. YYY 128/19/2020
- 6 FIRE STATION 4295 N. Kyrene Rd. YYY 128/19/2020
- 7 FIRE STATION 51775 W Queen Crk Rd. YYY 128/27/2020
- 8 FIRE STATION 6911 N. Jackson St. YYY 128/27/2020
- 9 FIRE STATION 76125 S. Gilbert Rd. YYY 1212/2/2020
- 10 FIRE STATION 8711 W. Frye Rd. YYY 1210/7/2020
- 11 FIRE STATION 9211 N Desert Breeze Bl. YYY 129/3/2020
- 12 FIRE STATION 105211 S. McQueen Rd. YYY 129/3/2020
- 13 Fire Station 114200 S. Gilbert Rd YYY 129/3/2020
- 14 Fire Admin 151 E Boston St. YNY 1310/1/2020
- 15 FIRE SUPPORT 163 S. Price Rd. YYY 2210/8/2020
- 16 CENTER FOR THE ARTS 250 N. Arizona Av. YYY 2212/23/2020
- 17 POLICE DEPT. 250 E. Chicago St. YYY 1110/1/2020
- 18 TRANSPORTATION AND DEVELOPMENT/IT 215 E Buffalo St. YNY 3311/4/20 & 11/18/20
- 19 POLICE PROPERTY & EVIDENCE 576 W. Pecos Rd. YYY 1112/23/2020
- 20 PD (W) SUB STATION 251 N Desert Breeze Blvd YNY 3312/23/2020
- 21 PD (So.) SUB STATION 4040 E Chandler Heights YNY 3312/23/2020
- 22 City Works Yard 975 E Armstrong Way YYY 118/20/20
- 23 PD Hamilton

**Provide a summary of activities planned for next reporting period**

**BMP does not apply for next reporting period:** No

***Milestone Description:***

The City will continue to conduct inspections of City facilities during the next reporting period.

**Question: For Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, Did the program implement any additional BMPs during this reporting period?**

Answer:

***Did the program implement any additional BMPs during this reporting period?*** No

***Provide a summary of compliance with the requirements for Minimum Control Measure6.***

The Streets division responded to one spill that entered the City Right of way.

Environmental Management Staff responded to 74 spills that entered City right of way.

63 Bio calls

4 Chemical spills

3 Wastewater spills

3 Reclaimed Water spills

1 Hazardous waste spill

**Question: Was staff training conducted?**

Answer:

No

***Why weren't training events conducted?***

No in person training events for Pollution Prevention and/or Good Housekeeping were available due to Covid -19. The City will require IDDE and Pollution Prevention related training to staff via through the City's LEAF on demand learning system. 126 employees completed Hazwoper training during FY 2021.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)

# CERTIFICATION OF SUBMISSION

**DAVID I VERHELST**

You validated your identity by answering your personal security question and password on myDEQ at **08:04 AM** on **09/30/2021**. 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.

**Main 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

[www.azdeq.gov](http://www.azdeq.gov)