



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



1110 West Washington Street Phoenix, Arizona 85007
(602) 771-2300 www.azdeq.gov

Small MS4 Annual Report

ID #: AZSM65727

MS4 Name: CITY OF PRESCOTT MS4

Reporting Period: 01-Jul-2020 - 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

Annual Report Summary

Company Information

Name : CITY OF PRESCOTT
1500 SUNDOG RANCH RD
PRESCOTT
AZ , 86301

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: 255.24 acres

Were Best Management Practices (BMPs) fully implemented in the annexed area? No

All of the annexed areas are currently undeveloped land. When they develop they will be subject AZPDES CGP requirements and City of Prescott required BMPs.

Question: Is stormwater sewer mapping 100 percent complete?

Answer: No

Percentage completed: 90

Provide estimated dates for the percent completion:

100% - 06/30/2022

Provide the description of the measurable goal:

Mapping is never 100% complete. The City has a process in place to digitize all private and public construction projects after their completion. Additional mapping information is provided to GIS personnel directly and also through field edits on tablets as errors in existing data are encountered. This reporting year Prescott also purchased new aerial imagery and 1 foot contour data which are valuable tools in establishing drainage patterns in areas that have recently undergone development. All of these efforts are budgeted and planned to continue into the foreseeable future.

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 224

Provide the description of the measurable goal:

The outfall dataset was compared to the urbanized area polygon and adjusted accordingly.

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

Answer: Yes

Provide the description of the measurable goal:

For the majority of the reporting year there were no receiving waters as the Trump era WOTUS definition eliminated all local waters from coverage.

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 of Prescott Public Works Department	CHAPTER 16-5: 2007 CITY OF PRESCOTT ILLEGAL DISCHARGE AND ILLEGAL CONNECTION STORMWATER CODE	01/10/2008	

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
Prescott Public Works Department	Prescott City Code CHAPTER 16-4: 2007 CITY OF PRESCOTT CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL REGULATIONS CODE	01/10/2008	

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

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Prescott Public Works Department	Prescott City Code CHAPTER 16-6: 2007 CITY OF PRESCOTT POST CONSTRUCTION STORMWATER RUNOFF CODE	01/10/2008	
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Question: For each receiving water, provide a brief description of the overall effectiveness of the BMP implemented to reduce the discharge of pollutants.

Answer:

Receiving Water: North Fork Miller-HEADWATERS - MILLER CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	NFM_005	34.562734	-112.488021

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Granite Creek Clean Up		North Fork Miller-HEADWATERS - MILLER CREEK
Dry Weather Screening		North Fork Miller-HEADWATERS - MILLER CREEK
Implement IDDE Program		North Fork Miller-HEADWATERS - MILLER CREEK

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

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On April 17, 2021, in partnership with Prescott Creeks, 484 community volunteers turned up at Granite Creek Park to participate in a community cleanup event across the Upper Granite Creek Watershed. 1.22 tons of trash and 12 tires were removed from a total of 38 different locations around the community. Pre-registration, social distancing through scheduled packet pick ups, and masks allowed this effort to take place during the COVID pandemic.

This event continues to actively engage the community, raise awareness and connect with the business community of Prescott. The City looks forward to continuing to partner with Prescott Creeks in this effort.

Dry Weather Screening: 3 of 6 Outfalls for this waterbody were screened in the FY21 reporting year. 112 Dry weather screenings took place over the course of the reporting year. This does include some of outfalls outside of the urbanized area. At a minimum 20% percent of outfalls are monitored for each receiving water. Those results are kept in a geo-referenced Lucity database with photos.

An IDDE program has been implemented City-wide. A web based reporting form and public education through social media (Facebook) have continued to inform residents about illicit discharges and methods of reporting them. QR codes for the pollution reporting form were generated and printed on dog waste dispensers that we hand out to facilitate reporting.

Receiving Water: Miller Creek-HEADWATER TO GRANITE CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	MIL_040	34.552418	-112.482906

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Paramaters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Green Infrastructure	E COLI COLONY (CFU)	
Dry Weather Screening		Miller Creek-HEADWATER TO GRANITE CREEK
Dog Wste Dispensers	E COLI COLONY (CFU)	

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Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Within the Miller Creek watershed the Rodeo Grounds biobasin is the primary City owned green infrastructure. It was regularly monitored (visually) and maintained during throughout the year to mitigate the activities associated with the adjacent Rodeo.

The City partnered with GEM Environmental Corps (AmeriCorps) to teach them about the benefits of green infrastructure and have them conduct maintenance activities associated with invasive vegetation.

Relevant Links:GEM Environmental Corps <https://www.gemenvironmental.org/>

Blogpost by GEM Environmental: <https://www.gemenvironmental.org/blog/gem-corps-public-works-what-is-green-infrastructure>

Dry Weather Screening: 5 of 22 Outfalls for this waterbody were screened in the FY21 reporting year. 112 Dry weather screenings took place over the course of the reporting year. This does include some of outfalls outside of the urbanized area. At a minimum 20% percent of outfalls are monitored for each listed receiving water. Those results are kept in a geo-referenced Lucity database with photos.

Dog Waste Dispensers: 240 rolls of dog waste dispenser refills and 1200 dog waste dispensers were purchased during the reporting year. On Friday afternoons stormwater personnel place dispensers along popular dog walking routes such as the Granite Creek Trail and Granite Creek Park. City Stormwater and Water Conservation staff handed them out at the Prescott Farmer’s Market on May 22 and June 12 2021.

Receiving Water: WILLOW CREEK RESERVOIR-A Willow Creek reservoir

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	WIL_031	34.595494	-112.431656

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? No

Estimated Date of SAP Completion: 01-JUL-20

Impairments:

TMDL Applicable: No

Paramaters :

AMMONIA NITROGEN~

BMP Info

BMP	Impairments	Receiving Water
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Outfall Inventory		WILLOW CREEK RESERVOIR-A Willow Creek reservoir
Analytical Monitoring		WILLOW CREEK RESERVOIR-A Willow Creek reservoir
Implement IDDE Program		WILLOW CREEK RESERVOIR-A Willow Creek reservoir

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Outfall inventory is being updated as a continuous process throughout the City. Inventory is examined through the course of Dry Weather Inspections, Illicit Discharge Investigations, through plan review of City capital improvement projects and private construction activities. Private outfalls and outfalls outside of the urbanized area were categorized as such in our Lucity database. The resultant MS4 outfall inventory stands at 224 outfalls. Those outfalls outside of the urbanized area were not deleted as we anticipate many of them will fall within the next iteration of Urbanized Area as established by the results of the 2020 census. Willow Lake falls outside of the currently delineated urbanized area.

Analytical Monitoring for Willow Lake did not occur during the reporting year.

An IDDE program has been implemented City-wide. A web based reporting form and public education through social media (Facebook) have continued to inform residents about illicit discharges and methods of reporting them. QR codes for the pollution reporting form were generated and printed on dog waste dispensers that we hand out to facilitate reporting. Stormwater personnel are utilizing the Lucity database now so that repeat issues and/or offenders are more readily detected. For the FY21 Reporting year 36 cases were logged and resolved. <https://prescott.seamlessdocs.com/f/jne0gewbgs7d>

Receiving Water: Unnamed Trib to UGC (UUG)-HEADWATERS - UNNAMED TRIB TO GRANITE CREEK (UGC)

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	YCW_003	34.545418	-112.457068

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Paramaters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Green Infrastructure		Unnamed Trib to UGC (UUG)- HEADWATERS - UNNAMED TRIB TO GRANITE CREEK (UGC)
Analytical Monitoring	E COLI COLONY (CFU)	
Dog Wste Dispensers	E COLI COLONY (CFU)	

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

The City finished the design process for a regional park within this watershed, near the Penn and Eastwood road intersection. This design included a large detention basin with sediment capturing capacity to reduce flood pulses and sediment transport downstream. Preliminary construction activities in the form of gas and power line relocations have been completed and we expect construction to begin in earnest this year.

Relevant Links:

https://www.prescott-az.gov/wp-content/uploads/2017/11/PennEastwd_9-1-21.pdf

<https://www.prescott-az.gov/business-development/city-construction-projects/projects-in-design/>

Due to drought conditions we were unable to meet our warm season analytical monitoring goals on Yavapai College Wash.

240 rolls of dog waste dispenser refills and 1200 dog waste dispensers were purchased during the reporting year. On Friday afternoons stormwater personnel place dispensers along popular dog walking routes such as the Granite Creek Trail and Granite Creek Park. These dogwaste dispensers are also available to the public at the Public Works front counter. City Stormwater and Water Conservation staff handed them out at the Prescott Farmer's Market on May 22 and June 12 2021.

Receiving Water: Government Canyon-HEADWATERS TO GRANITE CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	GCW_003	34.543985	-112.44865

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Has a sampling and analysis(SAP) been developed and implemented for this receiving water?

Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Outfall Inventory		Government Canyon- HEADWATERS TO GRANITE CREEK

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

The City is revisiting its outfall inventory within this watershed as a result of construction in the vicinity of Butterfield Rd. This area has some shared road maintenance with the County so we coordinated with Yavapai County Stormwater personnel (Tony A.) to make sure all outfalls are accounted for. The City has identified 1 outfall which was screened during the reporting year.

Receiving Water: Granite Creek-HEADWATERS - YAVAPAI RESERVATION

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	GRC_014	34.539909	-112.472268

Has a sampling and analysis(SAP) been developed and implemented for this receiving water?

Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
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Granite Creek Corridor Revitalization Group		Granite Creek-HEADWATERS - YAVAPAI RESERVATION
Granite Creek Clean Up		Granite Creek-HEADWATERS - YAVAPAI RESERVATION

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

While the Master Plan for the Granite Creek Corridor Improvements was completed in the previous reporting year it directed the efforts for this reporting year. Input from that Master Plan informed the design and permitting process to create construction ready documents. The City finalized the construction plans and permitting in August of 2021 and anticipates construction to commence in the fall/winter of 2021. This will include physical alteration to the stream channel that will increase aeration and address the dissolved Oxygen impairment.

Relevant Links: <https://www.prescott-az.gov/city-management/programs/granite-creek-corridor-master-plan/>

Granite Creek Cleanup

On April 17, 2021, in partnership with Prescott Creeks, 484 community volunteers turned up at Granite Creek Park to participate in a community cleanup event across the Upper Granite Creek Watershed. 1.22 tons of trash and 12 tires were removed from a total of 38 different locations around the community. Pre-registration, social distancing through scheduled packet pick ups, and masks allowed this effort to take place during the COVID pandemic.

This event continues to actively engage the community, raise awareness and connect with the business community of Prescott. The City looks forward to continuing to partner with Prescott Creeks in this effort. 2022 event (April 23, 2022) is tentatively scheduled to include stewardship activities along the creeks, lakes and green infrastructure sites.

Receiving Water: Manzanita Creek-HEADWATER TO GRANITE CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	MAN_004	34.516953	-112.509795

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Paramaters :

BMP Info

BMP	Impairments	Receiving Water
Outfall Inventory		Manzanita Creek-HEADWATER TO GRANITE CREEK
Dry Weather Screening		Manzanita Creek-HEADWATER TO GRANITE CREEK
Local PSAs		Manzanita Creek-HEADWATER TO GRANITE CREEK

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Outfall inventory is being updated as a continuous process both within the Watson Lake Watershed and throughout the City. Inventory is examined through the course of Dry Weather Inspections, Illicit Discharge Investigations, through plan review of City capital improvement projects and private construction activities. Private outfalls and outfalls outside of the urbanized area were categorized as such in our Lucity database. The resultant MS4 outfall inventory stands at 224 outfalls. Those outfalls outside of the urbanized area were not deleted as we anticipate many of them will fall within the next iteration of urbanized area as established by the results of the 2020 census. The urbanized area delineation has effectively removed 2 of the 4 outfalls for this water body.

Dry Weather Screening: 8 Dry Weather Screenings happened on the 4 identified outfalls. Of these outfalls 2 of 4 have since been identified as falling outside of the urbanized area.

Local PSAs specific to Manzanita Creek did not occur. The City used social media platforms to broadcast BMPs relevant to residents and visitors for all of the E. coli impaired creeks including, but not specific to, Manzanita Creek.

Receiving Water: Unnamed Trib to Granite Creek (UGC)-HEADWATERS - GRANITE CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	VSW_012	34.542819	-112.461754

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

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Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Green Infrastructure		Unnamed Trib to Granite Creek (UGC)-HEADWATERS - GRANITE CREEK
Dog Wste Dispensers	E COLI COLONY (CFU)	

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Within the Virginia Street Wash watershed the Acker Park detention basin is the primary City owned green infrastructure. It was regularly monitored (visually) and maintained throughout the year to mitigate the impacts from stormwater runoff. Riparian vegetation experimentation has been ongoing to see what vegetation types would best capture and reduce sediment loads via filtering and nutrient loads via phytoremediation.

The City partnered with GEM Environmental Corps (AmeriCorps) to teach them about the benefits of green infrastructure and have them conduct maintenance activities associated with invasive vegetation.

Relevant Links:

GEM Environmental Corps <https://www.gemenvironmental.org/>

Blogpost by GEM Environmental: <https://www.gemenvironmental.org/blog/gem-corps-public-works-what-is-green-infrastructure>

240 rolls of dog waste dispenser refills and 1200 dog waste dispensers were purchased during the reporting year. On Friday afternoons stormwater personnel place dispensers along popular dog walking routes such as the Granite Creek Trail and Granite Creek Park. These dog waste dispensers are also available to the public at the Public Works front counter. City Stormwater and Water Conservation staff handed them out at the Prescott Farmer’s Market on May 22 and June 12 2021.

Within the Virginia Street Wash watershed dog waste dispensers and signage was placed at the Acker Park’s main trailhead and other trail intersections.

Receiving Water: Granite Creek-YAVAPAI RESERVATION - WATSON LAKE

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
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1	Outfall	GRC_031	34.570966	-112.43544
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Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Granite Creek Clean Up		Granite Creek-YAVAPAI RESERVATION - WATSON LAKE
Inspections of Sites		Granite Creek-YAVAPAI RESERVATION - WATSON LAKE

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

On April 17, 2021, in partnership with Prescott Creeks, 484 community volunteers turned up at Granite Creek Park to participate in a community cleanup event across the Upper Granite Creek Watershed. 1.22 tons of trash and 12 tires were removed from a total of 38 different locations around the community. Pre-registration, social distancing through scheduled packet pick ups, and masks allowed this effort to take place during the COVID pandemic.

This event continues to actively engage the community, raise awareness and connect with the business community of Prescott. The City looks forward to continuing to partner with Prescott Creeks in this effort. City stormwater personnel conducted regular inspections of sites, most notably the Sundog Transfer Station and Sundog Wastewater Treatment Plant, both MSGP sites. During the reporting year the City also initiated the design process for the Prescott Fire Department’s Drill Grounds. Stormwater personnel have inspected the current site and are using that firsthand knowledge to inform improvements in the design (at 100% at end of reporting year). Those improvements include the future removal of a septic system on site and connection to sewer. First flush stormwater detention basins will also be utilized to treat stormwater runoff. An interior wash rack will be part of the site to prevent outside emergency vehicle washing.

https://www.prescott-az.gov/wp-content/uploads/2021/08/PSDrillGrdPh1_9-1-21.pdf

Receiving Water: Butte Creek-HEADWATERS TO MILLER CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	BUT_038	34.538368	-112.50094

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Dry Weather Screening		Butte Creek-HEADWATERS TO MILLER CREEK
Brochure		Butte Creek-HEADWATERS TO MILLER CREEK
Dog Wste Dispensers	E COLI COLONY (CFU)	

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Dry Weather Screening: 17 of 30 Butte Creek Outfalls had dry weather screenings during the reporting year.

The City is shifting away from print material and a brochure was not printed during the FY20 reporting year. This shift was also significantly influenced by COVID realities and precautions. The number of in-person outreach events evaporated and staff had a desire to reduce the number of person to person touch points. The City used social media platforms to broadcast BMPs relevant to residents and visitors for all of the E. coli impaired creeks including, but not specific to, Butte Creek.

240 rolls of dog waste dispenser refills and 1200 dog waste dispensers were purchased during the reporting year. On Friday afternoons stormwater personnel place dispensers along popular dog walking routes such as the Granite Creek Trail and Granite Creek Park. These dog waste dispensers are also available to the public at the Public Works front counter. City Stormwater and Water Conservation staff handed them out at the Prescott Farmer’s Market on May 22 and June 12 2021.

Receiving Water: WATSON LAKE-Near Prescott, AZ

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	WAL_012	34.584612	-112.42403

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

DISSOLVED OXYGEN~PH~TOTAL NITROGEN AS N 1~TOTAL PHOSPHORUS~CHLOROPHYLL A~

BMP Info

BMP	Impairments	Receiving Water
Green Infrastructure		WATSON LAKE-Near Prescott, AZ
Green Infrastructure O&M		WATSON LAKE-Near Prescott, AZ

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

As identified by the Granite Creek Watershed Improvement Plan and both local TMDLs green stormwater infrastructure was a key strategy to reduce the transport of pollutants to our water bodies. For Watson Lake this reporting year the City has been working with Prescott Creeks to create a conservation easement that would protect, in perpetuity, the wetlands found upstream of Watson Lake and downstream of the impervious city center. This effort will allow millions of U.S. Army Corps of Engineers In Lieu Fee dollars to be spent on perpetual stewardship and the (re)creation of wetlands, riparian forests and functional floodplains. Due to the size and permanence of these protections this may be one of the most effective strategies the City can employ to protect the water quality and quantity of Watson Lake.

Green Infrastructure O&M: The previously mentioned conservation easement will create the funding that allows Prescott Creeks to effectively manage Watson Woods Riparian Preserve. This represents the largest green infrastructure site in the City and ensures its long term operation and maintenance.

Receiving Water: Aspen Creek-headwaters - Granite Creek

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
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1	Outfall	ASP_017	34.531163	-112.47881
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Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Wet Weather Monitoring		Aspen Creek-headwaters - Granite Creek
Dry Weather Screening		Aspen Creek-headwaters - Granite Creek
Implement IDDE Program		Aspen Creek-headwaters - Granite Creek

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Wet Weather Monitoring was paired with our analytical monitoring obligations or applied when runoff occurred and the water labs were closed. 4 wet weather visual observations occurred during the reporting year, 3 of which were snowmelt type observations.

Dry Weather Screening: 15 Dry weather screenings took place over the 18 identified outfalls. Dry weather screenings remain a valuable tool of identifying stormwater and drainage issues within the City. None of this year's screenings identified an illicit discharge.

An IDDE program has been implemented City-wide. A web based reporting form and public education through social media (Facebook) have continued to inform residents about illicit discharges and methods of reporting them. QR codes for the pollution reporting form were generated and printed on dog waste dispensers that we hand out to facilitate reporting.

Stormwater personnel are utilizing the Lucity database now so that repeat issues and/or offenders are more readily detected. For the FY21 Reporting year 36 cases were logged and resolved.

Relevant Links Prescott Pollution Reporting: <https://prescott.seamlessdocs.com/f/jne0gewbgs7d>

Receiving Water: North Granite Creek-HEADWATERS GRANITE CREEK

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	NFG_002	34.556753	-112.473436

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

E COLI COLONY (CFU)~

BMP Info

BMP	Impairments	Receiving Water
Outfall Inventory		North Granite Creek- HEADWATERS GRANITE CREEK
Implement IDDE Program		North Granite Creek- HEADWATERS GRANITE CREEK
Dog Wste Dispensers	E COLI COLONY (CFU)	

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

Outfall inventory is being updated as a continuous process and is reevaluated through the course of Dry Weather Inspections, Illicit Discharge Investigations, through plan review of City capital improvement projects and private construction activities. Private outfalls and outfalls outside of the urbanized area were categorized as such in our Lucity database. The resultant MS4 outfall inventory stands at 224 outfalls.

An IDDE program has been implemented City-wide. A web based reporting form and public education through social media (Facebook) have continued to inform residents about illicit discharges and methods of reporting them. QR codes for the pollution reporting form were generated and printed on dog waste dispensers that we hand out to facilitate reporting. Relevant Links: Prescott Pollution Reporting <https://prescott.seamlessdocs.com/f/jne0gewbgs7d>

240 rolls of dog waste dispenser refills and 1200 dog waste dispensers were purchased during the reporting year. On Friday afternoons stormwater personnel place dispensers along popular dog walking routes such as the Granite Creek Trail and Granite Creek Park. These dogwaste dispensers are also available to the public at the Public Works front counter. City Stormwater and Water Conservation staff handed them out at the Prescott Farmer’s Market on May 22 and June 12 2021.

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

Answer:

BMP Name: Storm Drain Markers

Category: Display/ Posters

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Install or replace "Drains to Creek" Storm Drain markers as needed and document installation. City partnership with Prescott Creeks on 2007 project (funded by ADEQ 319 grant) developed and placed "Rain Only Drains To Creek" markers for placement on storm drains. City staff have identified that new drain grates do not have markers and some original markers are damaged.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 10/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: residents ***Frequency:*** 1 Monthly

Milestone Description:

Marker placement will be focused on the downtown area due to its high visibility, close proximity to Granite Creek, and high concentration of commercial operations.

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

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 drains to creek stormwater badges were handed out at the Farmers Market for use as coasters but not placed on storm drains.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

This is an activity that merits being done in the 2022 reporting year. The visibility these have and the connection to our surface waters remains a valuable tool in reducing pollutants. The City will put out at least 100 markers and purchase additional markers to mix up the water quality messaging.

BMP Name: Webpage

Category: Webpage

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

www.azdeq.gov

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Update and expand the City's stormwater webpage.
Track webpage visits and report in next year's annual report.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 10/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: residents **Frequency:** 1 Annually

Milestone Description:

Update City of Prescott webpage to increase amount of useful information to residents and businesses on how to reduce pollution and mitigate stormwater runoff. Webpage updates may include Frequently Asked Questions, resources for stormwater quality management and news on stormwater programs at the City.

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.

981 unique visits were made to the City's stormwater web pages.
The City's webpage was frequently used to publish important stormwater information. The City utilized the webpage to solicit public input on its stormwater management plan. Both the Granite Creek Watershed Pollution Reduction Plan and the Watson Lake Management Plan were published there as well.

<https://www.prescott-az.gov/water-sewer/water-resource-management/arizona-pollution-discharge-elimination-system/>

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will utilize its webpage to publish updates to the MS4 permit including the new NOI and revised SWMP document. We will also continue to solicit public comment on the SWMP here.
Stormwater staff will re-publish any relevant social media or local newspaper articles on the stormwater webpages.

BMP Name: Special Events

Category: Special Event

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(520)628-6733

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Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Participate in five or more events with MS4 stormwater outreach materials.
Participate in special events hosted by various local organizations. These special events provide opportunities to educate the general public and special interest groups on the importance of stormwater quality management.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: Prescott residents **Frequency:** 5 One time event

Milestone Description:

- Citizens Water Advocacy Group April presentation on Watson Lake and pollution reduction.
- Earth Day help organize and staff City's table at Earth Day event in downtown Prescott (April)
- HNC plant sale help organize and staff City's table at plant sale event (typically May)
- YCCA home & garden show: help organize and staff City's table at show May18-20.
- Drop by Drop series: Monthly presence and materials at the event. Coordinate with water resources staff to present surface water quality topics.

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

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.

COVID and its associated community health precautions resulted in the cancellations of many of these events. The City tried to find ways to participate in alternative virtual or drop off/pick up type events where feasible. For example for the Highland Center Native Plant Sale customers got a goody bag when they arrived at their scheduled pick-up time. We provided dog waste dispensers for these bags and an additional information sheet.

The City did establish a new relationship with the Prescott Famers Market and staffed a table with stormwater information on May 22 and June 12, 2021.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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The City will reengage at these events as they resume. As was done in the FY21 reporting year we will also host an information table at the Prescott Farmers Market 2-4 time per year, depending on table availability (it's a hot ticket item). This will replace the Drop by Drop series as that event was cancelled.

BMP Name: Brochure

Category: Brochures

Personnel Position/Department: Oren Thomas/Public Works

BMP Description :

Develop at least one new print document and distribute to residences and businesses as needed. Develop new, targeted print materials such as brochures or door hangers designed to bring awareness to pollutants in a neighborhood.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: Residents **Frequency:** 1 One time event

Milestone Description:

September 2018 draft new print materials.
October 2018 submit materials for approval from Public Works Management prior to distribution.
To be used as neighborhood pollutants are observed in residential areas.

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

Actual BMP Start Date: 09/01/2018

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

The 2018 brochure remains a timely and broadly applicable source of information. The door hanger format identifies a number of potential neighborhood pollutants. In instances of minor discharges, e.g. small amounts of sediment from a residence, when we're not able to speak with a resident in person we can leave these doorhangers. They represent an initial and non-invasive outreach method.

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 utilize these door hangers for outreach to residents as we observe and respond to discharges throughout the City.

BMP Name: Dog Waste Dispensers

Main Office

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Category: Display/ Posters

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Distribute and track distribution of dog waste dispensers at all events and at other sites as identified by staff

Provide dog waste dispensers to event participants: this allows us to educate participants about the impact of feces on water quality and the importance of properly disposing of pet waste.

In addition to distributing dog waste dispensers also provide temporary signage to popular dog walking areas where waste accumulation is a regular occurrence.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: Pet owners **Frequency:** 1 Daily

Milestone Description:

Number of dog waste dispensers handed out. Number of Temporary Sign requests and resolutions.

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 stormwater personnel dispersed over 1,000 dogwaste dispensers and refill rolls over the course of the year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City recently purchased 1,200 dog waste dispensers and will disperse them on a weekly basis and at outreach events as they occur.

BMP Name: Local PSAs

Category: Local PSAs

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

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Utilize 2 media platforms to diversify sources of pollution prevention and reporting information

-KYCA radio interview September 4th.

-Utilize City's Facebook and Twitter social media accounts.

-Explore opportunities with local newspaper, The Daily Courier

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: Prescott residents **Frequency:** 1 Two times per year

Milestone Description:

-KYCA Radio interview September 4th, 2018

-Winter 2018 social media account messaging.

-Spring 2019 Newspaper article around Earth Day.

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

Actual BMP Start Date: 09/04/2018

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

Social media was used extensively as a means of communicating stormwater messages. 12 posts were generated over the course of the year.

Stormwater personnel also had the opportunity to present virtually or in person to the following groups' public and recorded meetings:

City of Prescott sewer commission - Impacts of septic systems on local water quality.

Upper Verde River Watershed Technical Advisory Committee - Prescott's Stormwater Management

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will submit articles to the local newspaper on Watson Lake Water Quality and other relevant water quality improvement efforts.

The City will present to the Upper Verde River Watershed Protection Coalition on the use of green stormwater infrastructure to meet water quality and water quantity/recharge goals.

Social media posts will be published, at a minimum 1x/month

BMP Name: School event

Category: School Event

Personnel Position/Department: Oren Thomas/Public Works

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BMP Description :

Present at schools: Prescott college, Yavapai College, Embry Riddle, etc.
Develop presentation for classes that raises awareness of water quality issues and encourages participation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 10/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: students **Frequency:** 1 One time event

Milestone Description:

October and November 2018 begin contacting schools and instructors directly to schedule presentations. Presentations to occur as course schedules permit.

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

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.

Changes in stormwater personnel combined with COVID restrictions at schools made this infeasible for the reporting year.

Stormwater personnel did engage a local Americorps group and provided on the ground training and education about green stormwater infrastructure and maintenance on four occasions in May and June of 2021.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will explore opportunities with schools as COVID restrictions loosen. We'll also look to create connections with the Community Nature Center and their environmental education programming.

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.

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COVID restrictions, both internal and external to the City, created some significant challenges in meeting outreach goals during the 2021 reporting year.

Under these circumstances the City opted for social media and outdoor, socially distanced, opportunities. In doing so we engaged new audiences with Americorps and the Prescott Farmers Market patrons. The City will continue to be creative in the lingering face of COVID challenges and seek out new audiences going forward. We will also engage with those outreach opportunities as they reemerge from pandemic hibernation.

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

Answer:

BMP Name: Web Reporting

Category: Public Participation

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Record increased number of submissions to COP pollution reporting form. Plug pollution reporting form via traditional and/or social media and radio interview. Aim to increase submissions to forms through enhancing public awareness of pollution and advertising availability of reporting form.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Monthly

Milestone Description:

Record increased number of submissions to City of Prescott's pollution reporting form (<https://prescott.seamlessdocs.com/f/jne0gewbgs7d>)

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.

Stormwater staff received 7 online pollution reports. The City was able to respond to these in a timely manner.

While this method of reporting seems underutilized in the digital age we will continue to publicize it's availability.

Provide a summary of activities planned for next reporting period

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BMP does not apply for next reporting period:

No

Milestone Description:

The City created a QR code for the pollution reporting form and will publicize it through social media. The QR code will also be printed onto the dog waste dispensers that we hand out. We'll create some stickers with the QR code to put on the back of signs along our walking trails, particularly those near our lakes and creeks.

BMP Name: SWMP Availability

Category: Public Involvement

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

The City's Stormwater Management Plan will be made available to interested parties either in person at Public Works department or online, through the City's Webpage.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

SWMP available continually online. At end of reporting year get a web page count to indicate how many folks have looked at it.

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.

Webpage availability can be seen at the following locations:

<https://www.prescott-az.gov/water-sewer/water-resource-management/arizona-pollution-discharge-elimination-system/>

<https://www.prescott-az.gov/wp-content/uploads/2020/05/Prescotts-Storm-Water-Management-Plan-2020.pdf>

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Will utilize the webpage to solicit input and align with the 2021 iteration of the MS4 permit.

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BMP Name: Watershed Improvement Council (WIC)

Category: Public Participation

Personnel Position/Department: Matt Killeen

BMP Description :

Reconvene WIC to enhance collaboration between government, private sector, independent sector, and individual stakeholders.

Survey WIC members to identify stakeholder needs and develop direction for collaborative efforts.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Measuring the performance of the WIC will depend on collective goals set by the Council.

26 July 2018 WIC meeting held at City of Prescott Public Works Department.

Fall 2018 distribute survey to WIC members, schedule future meeting informed by survey results.

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

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 Watershed Improvement Council doesn't really exist nor has it since ADEQ's facilitation of the group ended. Attempts by the City to resuscitate it failed to provide consensus on direction or mission.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Unless ADEQ intends to rekindle the group as part of a TMDL review (or reviews) it does not make sense to apply resources or energy here.

There has been recent traction with the Upper Verde River Watershed Protection Coalition which is a group comprised of Prescott, Prescott Valley, Chino Valley, Yavapai Prescott Indian Tribe, and Yavapai County. This body has embraced stormwater management as a means of augmenting recharge. The City will work with this group under and ADWR Grant to reduce stormwater pollution at the rodeo grounds and to embrace green stormwater infrastructure at scale. More information on the group may be found here: <http://www.yavapaiwatersmart.org/coalition.html>

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BMP Name: ECC Training

Category: Public Involvement

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

The City will research the feasibility of hosting a training for the ADOT Erosion Control Coordinator certification. Number of participants (municipal and private sector employees) will be logged. If determined to be possible within budgeting and scheduling constraints, the City will host an ECC training. City stormwater staff would extend the professional development opportunity other City personnel that may be in a position to identify erosion and sediment control issues at construction sites. This training would also be available to the public and the City would invite local contractors to participate in an effort to improve awareness of sediment pollution issues in the industry.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Fall: Identify trainers, logistics, costs and scheduling.

Spring: Host training.

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

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.

In person trainings were suspended for the majority of the reporting year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater staff will attend an ECC Training to refresh their knowledge.

Stormwater staff will also coordinate with Public Works Inspectors and other potential attendees to determine if hosting this event in Prescott makes sense.

BMP Name: Creek clean up

Category: Public Participation

Personnel Position/Department: Matt Killeen/Public Works

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BMP Description :

Clean up day on granite creek.

Coordinate with City Manager’s Office and Parks and Recreation Department to host a clean-up event downtown on Granite Creek.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 08/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Conduct a creek cleanup in the downtown area to bring awareness and create a connection to Prescott's surface waters.

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

Actual BMP Start Date: 12/19/2018

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

This BMP is redundant to the Granite Creek Clean Up.

On April 17, 2021, in partnership with Prescott Creeks, 484 community volunteers turned up at Granite Creek Park to participate in a community cleanup event across the Upper Granite Creek Watershed. 1.22 tons of trash and 12 tires were removed from a total of 38 different locations around the community. Pre-registration, social distancing through scheduled packet pick ups, and masks allowed this effort to take place during the COVID pandemic.

This event continues to actively engage the community, raise awareness and connect with the business community of Prescott. The City looks forward to continuing to partner with Prescott Creeks in this effort.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Granite Creek Corridor Revitalization Group

Category: Public Involvement

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

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Attend the Granite Creek Corridor Revitalization committee that seeks to restore ecological and aesthetic function to Granite Creek while connecting businesses and residents to our surface waters. Work with businesses to take part in local creek stewardship programs. In FY 2019 we will focus on businesses near the Granite Creek corridor, which has a high visibility to the public and is an area of high pollutant loading.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Monthly

Milestone Description:

Monthly: meetings and coordination.

October: Creek clean-up

Master Planning effort (AZ Water Protection Fund grant) as scheduled beginning Spring/Summer 2019.

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.

While the Master Plan for the Granite Creek Corridor Improvements was completed in the previous year it directed the efforts for this reporting year. Input from that Master Plan informed the design and permitting process to create construction ready documents. The City finalized the construction plans and permitting in August of 2021 and anticipates construction to commence in the fall/winter of 2021. This will include physical alteration to the stream channel that will increase aeration and address the dissolved Oxygen impairment.

Relevant Links: <https://www.prescott-az.gov/city-management/programs/granite-creek-corridor-master-plan/>

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Construction in the Granite Creek Corridor is scheduled for fall/winter of 2021. This will create numerous improvements to stormwater infrastructure. The utilization of cross vane weirs will help increase oxygenation and reduce scour in the active channel.

Stormwater staff will seek opportunities to insert outreach information along the corridor.

BMP Name: Granite Creek Clean Up

Category: Public Participation

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Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Coordinate with Prescott Creeks to gather volunteers to clean up creeks throughout watershed.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

November 2018 begin coordination with Prescott Creeks

20 April 2019 Granite Creek Clean Up

Document volunteers that participate in event.

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

Actual BMP Start Date: 04/20/2019

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

On April 17, 2021, in partnership with Prescott Creeks, 484 community volunteers turned up at Granite Creek Park to participate in a community cleanup event across the Upper Granite Creek Watershed. 1.22 tons of trash and 12 tires were removed from a total of 38 different locations around the community. Pre-registration, social distancing through scheduled packet pick ups, and masks allowed this effort to take place during the COVID pandemic.

This event continues to actively engage the community, raise awareness and connect with the business community of Prescott. The City looks forward to continuing to partner with Prescott Creeks in this effort.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

2022 event (April 23, 2022) is tentatively scheduled to include stewardship activities along the creeks, lakes and green infrastructure sites in addition to the traditional clean up activities.

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: Green Stormwater Infrastructure

Main Office

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

The City partnered with GEM Environmental Corps (AmeriCorps) to teach them about the benefits of green infrastructure and have them conduct maintenance activities associated with riparian and invasive vegetation.

Relevant Links:

GEM Environmental Corps <https://www.gemenvironmental.org/>

Blogpost by GEM Environmental: <https://www.gemenvironmental.org/blog/gem-corps-public-works-what-is-green-infrastructure>

This was a one time event and the City and GEM Environmental Corps are evaluating whether it should be repeated.

Will this BMP be used for future reporting periods? No

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

Currently under evaluation by the City and GEM Environmental Corps.

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

The City has successfully accomplished many of the BMPs identified under MCM2 and adapted others to a changing environment. Understanding that not all BMPs need to or should persist forever has been an important realization. For example, the Watershed Improvement Council served a critical role in this watershed in identifying problems and proposing solutions (all goals from the Watershed Improvement Plan were realized). However with ADEQ's waning involvement and a lack of singular focus the group has withered. Rather than forcing that group back to life the City has recognized that the Upper Verde River Watershed Protection Coalition has more momentum right now and a greater capacity to work at scale. Shifting our time and energy to this group has already resulted in an ADWR grant funded project that increases and demonstrates recharge while also reducing surface water pollutants at the Prescott Rodeo Grounds.

The City will continue to support effective MCM2 BMPs while adapting others to modern realities.

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: Expand Public Awareness and Participation

Category: Expand Public Awareness and Participation

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Advertise pollution reporting form and encourage residents to bring pollution concerns to City's attention

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

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Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

Advertise pollution reporting form and encourage residents to bring pollution concerns to City's attention. Newspaper, radio, and social media promotion.

Radio interview on KYCA September 2018.

Newspaper article and social media promotion simultaneously to compare effective reach, Winter 2018/2019.

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.

7 Reports were received of the reporting year.

Facebook and Farmers Market outreach events were the primary methods of publicizing the pollution reporting form. Due to low response stormwater staff developed a QR code and are exploring the use of QR code stickers to increase awareness. The QR code was also printed on 1200 dog waste dispensers that were purchased at the end of the fiscal year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Increase the use of the pollution reporting form through the use of Stickers with the QR code, dog waste dispensers with the QR code and social media posts.

BMP Name: Analytical Monitoring

Category: Analytical Monitoring

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Conduct analytical monitoring for each impaired water body, 2 times per impaired creek.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 12 Monthly

Milestone Description:

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Prioritize based on suspected pollutants and green infrastructure installation or to support installation of additional green infrastructure.

When there is sufficient rain or snowmelt

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

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.

Drought conditions in the summer of 2020 reduced warm season monitoring opportunities. A good snow season allowed the City to meet its goals for snowmelt samples. Results have been submitted via DMR. The City also has done additional analytical monitoring (e. coli) associated with an ADEQ funded public bathroom project near a homeless shelter. We have also taken e. coli samples periodically of streamflow at tributary and jurisdictional boundaries as well as Goldwater, Watson and Willow Lakes. Lake monitoring has been done before and after holiday weekends to see if any significant changes were detectable.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will conduct e. coli analytical monitoring as identified in the SWMP and SAP. The City will work to develop better lake monitoring capacity across multiple departments (public works and Recreation Services).

BMP Name: Dry Weather Screening

Category: Dry Weather Screening

Personnel Position/Department: Oren Thomas/Public Works

BMP Description :

Dry weather screening to occur for 20% of known outfalls.
Transition from paper to tablet based field monitoring.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 12 Monthly

Milestone Description:

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Randomly select 20% of outfalls for each water body that have not been screened in the previous two years. This will result in 100% of outfalls screened in the life of the permit.

Random outfall selection in July 2018.

Evenly distribute screenings between summer and winter monitoring seasons.

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

Actual BMP Start 10/22/2018

Date:

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

136 Dry weather inspections took place and were evenly distributed between warm and cool seasons. All inspections are logged in the City's Lucity database and include photos.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

20% or more of outfalls will receive dry weather screenings.

BMP Name: Training

Category: Staff Training

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Train new stormwater specialist in monitoring procedures.

Train City staff in general stormwater awareness and illicit discharge detection.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 6 One time event

Milestone Description:

Upon hire train new staff (July 2018).

Prioritize Recreation, Streets and Solid Waste staff October 2018 through April 2019.

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

Actual BMP Start 07/16/2018

Date:

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

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The new Stormwater Specialist has been trained on IDDE protocols and is now the first responder to illicit discharge reports.

Fleet services trained on 5/26/2021.

Streets Maintenance crews trained on 6/15/2021

Solid waste crews trained on 6/3/2021.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater personnel will try to diversify demographics by providing trainings to Community Development (building inspectors), Recreation Services (park rangers), and other frontline staff. Will conduct at least 4 staff trainings across novice and regularly trained working groups.

BMP Name: Written IDDE Procedures

Category: Written IDDE Procedures

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Written IDDE procedures are in Prescott City Code Chapter 16-5 as well as the City's Stormwater Management Plan.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Written Procedures are in place. Update if and 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.

In July of 2020 the SWMP was updated and the IDDE procedures were reviewed and found sufficient for the time.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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The City anticipates updating the Stormwater Codes including PCC 16-5 Illicit Discharge Code to make sure they adequately address both the State Surface Water Protection Program and, what may be a revolving, WOTUS definition.

BMP Name: Wet Weather Monitoring

Category: Wet Weather Monitoring

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Analytical monitoring for impaired waters done concurrently. See that BMP for details.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Monthly

Milestone Description:

Conduct analytical monitoring for each impaired water body.

2 times per impaired creek

Pair outfall inventory with dry weather screenings to maximize efficiency.

Update as WOTUS definitions become clear, or at least updated. Remove private outfalls and linear conveyances from database.

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.

See DMR for BMP effectiveness.

The City logged 37 wet weather visual monitoring events. These were conducted in tandem with analytical monitoring or done independent of analytical monitoring when the lab was not available.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will conduct wet weather visual monitoring with our analytical monitoring and independently when labs are not available. Milestone of 2 visual observations/receiving water/season.

BMP Name: Stormwater Sewer Mapping

Category: Stormwater Sewer Mapping

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Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Develop data dictionary for survey grade Trimble GPS unit then train staff on its use.
Prioritize downtown storm drain infrastructure initially and expand as needed.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

GPS training followed by field mapping.

Training in fall of 2018. Mapping the remainder of FY2018. Initial focus on Granite Creek, MS4 boundary to tribal lands.

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

Actual BMP Start Date: 04/01/2019

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

Stormwater staff have tablets and are able to update stormwater data points (outfalls, channels, stormdrains, etc) as encountered in the field.

Stormwater staff have mapped dog waste stations during the reporting year and are now working with GIS and Rec Services to make that map accessible to the public.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Publish dog waste station maps for public use.

Map location of "Drains to Creek" badges for inventory purposes and to inform future installation locations.

BMP Name: Outfall Inventory

Category: Outfall review & mapping

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

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Review outfall inventory to identify data gaps, linear conveyances and those outfalls that are either private outfalls or outlets.

Pair outfall inventory with dry weather screenings to maximize efficiency.

Update as WOTUS definitions become clear, or at least updated. Remove private outfalls and linear conveyances from database.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 12 Monthly

Milestone Description:

Throughout the year with additional focus during dry periods.

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.

An GIS overlay analysis was conducted utilizing the City's outfalls and the urbanized area data sets. This, the removal of duplicate outfalls, and the identification of private outfalls reduced the total number of outfalls from 342 to 224.

Outfall data points were not deleted but relabeled for sorting and display purposes. This will allow us to updated our outfall inventory rapidly in the event that the Urbanized Area changes from the 2020 census are published.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Outfall inventory will be updated to address urbanized area changes, new developement, and field observations.

BMP Name: Implement IDDE Program

Category: Implement IDDE Program

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Create and perpetuate a system to identify, investigate and resolve illicit discharges in Prescott.

Is another government entity responsible for this BMP ? No

Measurable Goals:

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Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

Document Illicit Discharges that are reported or found to exist as they arise.

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.

A new Stormwater Specialist was trained and took on first responder responsibilities for Illicit Discharge reports. These cases are being logged into the City's database so that we can track and identify patterns, geographically and/or demographically.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Evaluate frequency of illicit discharges for rental properties, commercial and single family residences. Direct outreach to property managers if warranted.

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.

The City successfully achieved compliance with MCM3 in the 2021 reporting year. Trainings, mapping, rapid response and an established protocol all helped reduce the discharge of pollutants into local receiving waters.

The City will seek to improve upon this by diversifying the training audiences across City Departments and also through increased educational outreach to the public.

In the subsequent IDDE Enforcement Actions matrix it should be noted that outreach, education and voluntary (rapid) compliance is the City's initial approach. The effectiveness of this approach has prevented the escalation to NOC/NOV type responses.

Question: Were staff trained in IDDE Awareness and Response?

Answer:

Yes

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Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	10/01/2020	Stormwater awareness & IDDE (virtual)	12	One time every two years
2	05/26/2021	Fleet: General stormwater awareness and IDDE	11	Annually
3	06/03/2021	Solid Waste: General stormwater awareness and IDDE	19	Annually
4	06/15/2021	Streets: General stormwater awareness and IDDE	21	Annually

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: 36

Number of IDDE incidents responded to in this reporting period: 34

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

Question: Were there any unpermitted discharges to the MS4?

Answer: No

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

Answer: No

Number of Illicit Discharges Sampled are:

The reported illicit discharges were of known pollutants (e.g. sediment, cooking oils, sewage, etc). Analytical monitoring of these discharges would not provide any benefit to the investigation or enforcement proceedings.

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: Green Infrastructure

Category: Site Plan Review

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Increase in number of constructed and in- design projects that feature LID or green infrastructure.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Recommend that Green Infrastructure be added to Capital Improvement Projects and private development during pre- application conferences and during review. Document.

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.

All preliminary application conference (PAC) reviews, 190 in total, in which the applicant is interested in increasing the impervious area of a parcel are encouraged to utilize green stormwater infrastructure to meet City stormwater requirements. The applicants are provided links to the Mesa, Flagstaff, and Greater PHX LID manuals.

Similarly during the site plan reviews those same encouragements are provided in Round 1 reviews. The City has also created a Passive Rainwater Harvesting rebate to incentivize this type of stormwater management in development.

Provide a summary of activities planned for next reporting period

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BMP does not apply for next reporting period:

No

Milestone Description:

Several Capital Improvement Projects (CIPs) will integrate green infrastructure for their stormwater management in the coming year. They include the Penn/Eastwood regional detention basin, Intermediate Pump Station, Granite Creek Corridor, among others.

The City will continue to add constructed green infrastructure to its inventory (see MCM5) for annual inspections.

The City will recommend and reference green stormwater infrastructure during CIP, PAC and permit reviews.

BMP Name: Erosion Control Coordinator Training

Category: Construction Operator Training

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

The City will research the feasibility of hosting a training for the ADOT Erosion Control Coordinator certification. Number of participants (municipal and private sector employees) will be tracked.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

If determined to be possible within budgeting and scheduling constraints, the City will host an ECC training. City stormwater staff would extend the professional development opportunity other City personnel that may be in a position to identify erosion and sediment control issues at construction sites. This training would also be available to the public and the City would invite local contractors to participate in an effort to improve awareness of sediment pollution issues in the industry.

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

ADEQ Directed Change: 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.

COVID prevented this type of training from occurring. The City of Prescott also banned out of City travel for all but emergency/essential reasons.

Provide a summary of activities planned for next reporting period

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BMP does not apply for next reporting period:

No

Milestone Description:

At a minimum, stormwater staff will be ECC certified in the coming year. Stormwater staff will also speak with Public Works inspection staff, building inspectors and local contractors to determine if there is sufficient local need to host the Arizona Contractor General's ECC training in the greater Prescott area. We'll also coordinate with ADOT as they occasionally host such a training in the Prescott Valley area.

BMP Name: Training and Inspection

Category: Erosion/ Sediment Control

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

This BMP is already encompassed through Inspector Training BMP and the Inspection & Enforcement BMP.

Is another government entity responsible for this BMP ?

No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

This BMP is already encompassed through Inspector Training BMP and the Inspection & Enforcement BMP.

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

Actual BMP Start Date: 12/06/2018

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

Public works inspectors received two trainings during the year. The first was held virtually and included specifics on temporary erosion and sediment controls (10/01/2020). The second was focused on installation and inspection of underground detention chambers and their stormwater treatment components (4/27/2021).

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period:

No

Milestone Description:

Stormwater staff will conduct training for PW stormwater inspectors and building officials for general stormwater awareness, IDDE, and erosion and sediment control.

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BMP Name: Site Inspection & Training

Category: Control Wastes

Personnel Position/Department: Matt Killeen

BMP Description :

This BMP is already encompassed through Inspector Training BMP and the Inspection & Enforcement BMP.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 06/30/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

This BMP is already encompassed through Inspector Training BMP and the Inspection & Enforcement BMP.

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.

Public works inspectors received two trainings during the year. The first was held virtually and included specifics on temporary erosion and sediment controls (10/01/2020). The second was focused on installation and inspection of underground detention chambers and their stormwater treatment components (4/27/2021).

Public works inspectors have a detailed inspection sheet that they fill out for their assigned projects. 38 Detailed ESC sheets were completed during the reporting year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater staff will conduct training for PW stormwater inspectors and building officials for general stormwater awareness, IDDE, and erosion and sediment control.

PW Inspectors will continue to submit the Detailed ESC inspections, at a minimum once per project per year.

BMP Name: Training of Inspectors

Category: Inspections

Personnel Position/Department: Matt Killeen/Public Works

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BMP Description :

Conduct two or more trainings each year.

Train Public Works and Building Department inspectors to identify stormwater runoff issues at construction sites, enforce regulations, and track cases.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Two times per year

Milestone Description:

Train Public Works and Building Department inspectors to identify stormwater runoff issues at construction sites, enforce regulations, and track cases.

Fall 2018 and Spring 2019

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

Actual BMP Start Date: 12/06/2018

Date:

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

Public works inspectors received two trainings during the year. The first was held virtually and included specifics on temporary erosion and sediment controls (10/01/2020). The second was focused on installation and inspection of underground detention chambers and their stormwater treatment components (4/27/2021).

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater staff will conduct training for PW stormwater inspectors and building officials for general stormwater awareness, IDDE, and erosion and sediment control.

BMP Name: site plan reveiws

Category: Site Plan Review

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

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Review all plans for projects that have stormwater BMP requirements. All plan reviews are tracked in Accela.

Staff will continue to review plans to assure development compliance with AZPDES requirements, contain appropriate erosion and sediment controls, and have post-construction stormwater PMPs and Operation and Maintenance agreements

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Staff will continue to review plans to assure development compliance with AZPDES requirements, contain appropriate erosion and sediment controls, and have post-construction stormwater BMPs and Operation and Maintenance agreements.

Additional staff will be trained to increase capacity in plan review.

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

Actual BMP Start Date: 07/01/2019

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

Environmental Coordinator (Matt K.) conducted 242 plan reviews across 165 permits to ensure each and every one had adequate ESC measures, permanent stabilization, and that post-construction BMPs were appropriately selected and accompanied by an O&M agreement. Demonstration of compliance with AZPDES CGP was also required.

Prior to these reviews all potential applicants attend a pre application conference (190 in total) where they are informed of all of these requirements prior to formally submitting permit applications.

2 year warranty inspections are now being utilized as an important follow up to ensure that after construction these sites are permanently stabilized and stormwater BMPS are functioning adequately.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Site plan review will continue to require that applicants adhere to local and state requirements for ESC, permanent stabilization, and post construction BMPs. These requirements will be identified at the Pre Application Conference and evaluated at the 2 year post-construction warranty inspection.

BMP Name: Inspection & Enforcement

Category: Inspections

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Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Inspect all sites that require erosion control BMPs. All inspections and resulting enforcement actions are logged in Accela.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Continue to perform regular Erosion and Sediment Control inspections as well as as-needed inspections when violations are identified. Enforce applicable code through authorized means.

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 biggest challenge in evaluating the BMP effectiveness is that the current construction/building permit software (CentralSquare) did not have an active Disturbed Acres field during the course of the reporting year. A custom field has been added to the software and we are currently training permit staff to input this field so that data sets are easier to query and filter going forward.

376 ESC inspections were recorded during the reporting year.

PW inspectors are also required to fill out a ESC specific inspection sheet that identifies corrective actions. Those inspectors filed 38 inspections, at least one per project per year if no corrective actions are identified.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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With the Disturbed Acre field active and populated in the permit tracking software the City will have a much easier time filtering both active construction sites and ESC inspections at those sites. Currently permits are either assigned inspection through Community Development (building permits) or Public Works (Engineering, mass grading, utilities, subdivisions, etc.) With new leadership in the Building Department and stormwater trainings being delivered to building inspectors for both IDDE and ESC measures we hope to better carry out and record ESC inspections. The City has also engaged a private third party to conduct inspections in the rapidly growing north Prescott. We will be coordinating with them to ensure the ESC inspections are being done at an appropriate frequency and recorded in a manner that is retrievable through documentation.

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 continues to improve it's MCM4 compliance. While improvements have been realized in inspector training, green stormwater infrastructure integration, and site plan reviews additional work is merited so that the City's permit database (Central Square, the City's third permit database in three years) can provide the type of metrics this online reporting format solicits. Cross-departmental training and buy in will be necessary to fully realize these improvements.

In the subsequent Enforcement Actions Matrix it should be noted that it is rare for the City to issue NOV's etc. unless under exceptional circumstances. The costs associated with repeat inspections and/or the cessation of other inspections is a greater leverage approach for local contractors.

Question: Were any construction activity operator training events conducted?

Answer:

No

Why weren't training events conducted?

COVID restrictions made this impractical and unsafe during the reporting year.

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: 376

Has an inspection frequency been developed and implemented? YES

Number of active construction sites inspected at least weekly: 0

Number of active construction sites inspected at least one time every six months: 68

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Number of active construction sites inspected at least monthly: 0
Number of active construction sites inspected at least annually: 376
Number of construction activity complaints that were resolved or responded to: 0
Number of active construction sites not inspected: 0
Number of construction activity complaints received in this reporting period: 0
Number of active construction sites that required re-inspections in this reporting period: 68

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
	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: Inspections of Sites

Category: O&M Procedures

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Develop an increased capacity to perform inspections on all post-construction BMP sites annually.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Hire Stormwater Specialist to complete inspections (July 2018)

Expand BMP self-inspection program, encouraging property managers to submit proof of regular maintenance.

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

Actual BMP Start Date: 07/16/2018

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

78 of 100 operational BMP sites have inspections recorded in the City's database.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will increase the percentage of operational Post Con BMP sites inspected. This will include, where appropriate, voluntary self-inspections.

16 additional sites are under construction and are anticipated to become fully operational in the coming year.

BMP Name: Inventory

Category: Inventory

Personnel Position/Department: Matt Killeen

BMP Description :

Maintain an up to date data set with supporting documents as new sites are constructed.

Develop tablet based inspection capacity using Lucity software.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

Participate in permit final walkthroughs to document BMP location. Copy as-builts to files for future reference.

Work with City IT staff to create, and then periodically update, post construction sites in Lucity. Utilize tablets for inspections.

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

Actual BMP Start Date: 07/01/2019

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

As previously addressed we underreported or misreported walkthrough inspections. 116 sites are currently in our inventory and we have been successful in uploading AS-Built plan sets to provide baseline documentation of the sites. Inspections are being carried out utilizing the tablets and 78 of 100 site had inspections completed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Quarterly review reminders will be established to make sure walkthrough inspections are being logged and the new sites are being added to our inventory in a timely fashion.

BMP Name: Final Walkthroughs

Category: Structural/Non-Structural BMP

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Increase in number of walkthrough inspections attended by Stormwater staff.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Participate in final walkthroughs to ensure functional installation of BMPs. Take enforcement action when violations are identified during inspections or through other means (incidental, complaints, etc.)

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

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242 Site Plan reviews of took place during the reporting year.

An additional 190 Pre Application Conference reviews took place. These establish expectations and requirements for AZPDES CGP permitting, ESC bmps and Post Construction requirements. In these reviews the City emphasizes the benefits of Green Stormwater Infrastructure and provides multiple online references to Arizona LID manuals (Flagstaff, Mesa, Greater Phx.)

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater personnel will be cross trained in site plan review to provide organizational capacity to deal with this significant workload.

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.

The City's Post Con BMP program has been very successful in meeting the MCM5 requirements. Improvements can be realized in documenting walkthrough inspections and adding new inventory to our system. We'll track that by incorporating quarterly PostCon inventory and inspection reviews to make sure we're on track.

The City's Lucity database has been an invaluable tool to more efficiently schedule these inspections and to provide automated notification letters to the property owners/managers. The City will also continue to offer self-inspection options for simple and high performing sites.

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: 100

Number of Post-Construction Stormwater controls inspected in this reporting period: 78

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	15	14	1

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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	15	14	1

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: Staff Training

Category: Training

Facility Information:

- Public Parks & Trails
- Administrative Buildings
- Public Works
- Fleet Services
- Fire Stations

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Increase capacity for municipal inspections through the hiring and training of a Stormwater Specialist.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Monthly

Milestone Description:

Inspection of all municipal facilities to take per the facility prioritization schedule as identified in the SWMP.
Train staff to independently carry out required inspections and achieve resolution/compliance on all identified problems.

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.

A new stormwater specialist staff person was hired at the beginning of the reporting year. They were trained to serve as the primary inspector for municipal facilities (38 inspections), IDDE (36 investigations) and Post-Con sites (56 inspections). The stormwater specialist has also been trained to conduct the AZPDES MSGP inspections at the Sundog Transfer Station.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Stormwater Specialist will conduct the municipal facilities inspections, all per schedule, and coordinate appropriate corrective measures with the Facilities management team.

BMP Name: Street Sweeping

Category: Maintenance Activities

Facility Information:

Public Parks & Trails

Administrative Buildings

Public Works

Fleet Services

Fire Stations

Personnel Position/Department: Matt Killen/Public Works

BMP Description :

This activity is not limited to Fleet Services although that facility does have sweepings scheduled as a weekly occurrence.

Continue street sweeping program to systematically remove pollutants from roadways.

Follow recommendations of the Granite Creek Watershed Pollution Reduction Plan with regards to sweeping equipment capacity and route priorities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

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Milestone Description:

Weekly street sweeping of Fleet Services.

Follow the recommendations of the Granite Creek Watershed Pollution Reduction Plan to integrate GI into existing capital improvement projects or create a new GI project.

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.

Fleet services and the associated parking lots are swept on a weekly basis.
3480 Lane miles of City roads were swept during the reporting year. The City conducts weekly sweeping of the highly impervious downtown areas.

A streets maintenance request page has been created and features a street sweeping option.
<https://www.prescott-az.gov/services-safety/streets-traffic/street-maintenance/request-street-maintenance/>

14 resident street sweeping requests were received during the reporting year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater personnel will review street sweeping maps and requests and check them against the recommendations of the Watershed Pollution Reduction Plan. Recommendations will be sent to the street maintenance supervisors.

BMP Name: Facility Inspections

Category: Inspections

Facility Information:

- Public Parks & Trails
- Administrative Buildings
- Public Works
- Fleet Services
- Fire Stations

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Develop an increased capacity to perform inspections on all Municipal BMP sites annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

Hire and train Stormwater Specialist to complete inspections.

Inspect the facilities as prioritized and scheduled in the Stormwater Management Program. For example, Public Works to be inspected quarterly.

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.

57 of 58 municipal facilities were inspected according to scheduled prioritization frequencies.

Coordination with Facilities managers helped reduce stormwater exposure of de-icing salts at multiple facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

A couple of new facilities have been added to the City's inventory. A City hall and new park will be evaluated and prioritized based on their relative stormwater exposures.

All facilities will be inspected per the prioritization schedule. Issues for corrections will be discussed with the Facilities manager and team.

BMP Name: Maintenance Schedule

Category: Maintenance Schedule

Facility Information:

Public Parks & Trails

Administrative Buildings

Public Works

Fleet Services

Fire Stations

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

As identified in the previous BMP Stormwater Staff quarterly inspections will identify green infrastructure maintenance needs and schedule with the City's Drainage Maintenance Crews and/or Parks Staff.

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Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

Quarterly inspection with maintenance intervals identified and scheduled so as to automatically occur in subsequent months and years.

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.

Stormwater personnel inspect green infrastructure sites on a monthly basis or after any significant precipitation events. Maintenance requests are currently being made on an as-needed basis. The City engaged GEM Environmental Corps (Americorps) to help address some of the green stormwater infrastructure needs during four work days in May and June of 2021.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater personnel will conduct monthly or greater inspections. Increased maintenance will be required at the beginning of the new reporting year as significant monsoon rains have had impacts on the green infrastructure.

BMP Name: Green Infrastructure O&M

Category: O&M Procedures

Facility Information:

Public Parks & Trails

Administrative Buildings

Public Works

Fleet Services

Fire Stations

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

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This applies to green infrastructure found in both Park and street settings.

Maintain green infrastructure and stormwater filtration BMPs at City operated facilities.

Green infrastructure sites include: the Adult Center biobasins, Whipple St. biobasin, Rodeo Grounds biobasin, Acker Park biobasin, and Alarcon and Marina Streets' rain gardens.

BMP sites include the Fleet Maintenance garage, Pioneer Park hockey rink, several administrative buildings, and more.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

Regular refinement of O&M procedures at the green infrastructure sites found throughout town through quarterly inspections. Coordination with the Streets Departments Drainage Maintenance Crew and Parks staff to schedule and train as needed.

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.

Stormwater staff have coordinated with the Drainage maintenance staff to conduct periodic maintenance of green infrastructure sites. Acker detention basin and the Rodeo Biobasin in particular have required additional training.

The City has augmented this with the use of GEM Environmental Corps to help address invasive plants and to increase the effective phytoremediation of the sites through transplanting and seeding beneficial vegetation.

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 refine the operation and maintenance of these green infrastructure sites. We intend to have stewardship events at these sites as part of the Granite Creek Cleanup scheduled for April.

Additional work will need to occur at the Acker detention basin where significant flood damage has occurred. Establishing a more regular maintenance program there may be necessary.

BMP Name: Facility Prioritization

Category: Inventory

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Facility Information:

- Public Parks & Trails
- Administrative Buildings
- Public Works
- Fleet Services
- Fire Stations

Personnel Position/Department: Matt Killeen/Public Works

BMP Description :

Increase number of facilities identified and inspected. (Across all municipally owned buildings, lands and facilities)

Create inspection form in paper and digital versions for tablet based monitoring.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2018

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Review Facility Prioritization in SWMP and adjust inspection frequency as determined by inspection results to reflect conditions and pollutant potential.

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 Prioritization was reviewed and no changes were warranted at this time. All facilities were inspected during the reporting year and confirmed this.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We'll review all facilities as they are inspected. Inspection results and any changes in operations will dictate if the frequency of inspection merits change.

The City purchased a new City Hall at the end of the reporting year. This site will be inspected and added to the inventory with an annual inspection frequency.

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.

Over the lifespan of the current MS4 permit stormwater personnel have made significant improvements in practices and activities to achieve compliance with MCM6.

New personnel have been trained to meet inspection schedules. Creative solutions have been identified to achieve green infrastructure maintenance. Migrating the MCM6 functions into the City's database (Lucity) system has proven very beneficial for documenting and scheduling activities.

In the coming year there will be several additions to the City's MCM6 obligations. A new City hall building, new snow equipment building (removing salt and cinders from stormwater exposure) will require inclusion in the prioritization of facilities. Exponential growth in the northern part of the City will also require stormwater-smart planning as municipal facilities grow to meet this demand.

Question: Was staff training conducted?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	06/03/2021	Solid Waste: General stormwater awareness and IDDE	19	Annually
2	05/26/2021	Fleet: General stormwater awareness and IDDE	11	Annually
3	06/15/2021	Streets: General stormwater awareness and IDDE	21	Annually
4	10/01/2020	General stormwater awareness and IDDE (Virtual)	12	One time event

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