

The Arizona Department of Environmental Quality (ADEQ) has completed its review of your MS4 annual report and determined it satisfactorily complies with the permit requirements.

MS4 Name: **TOWN OF ORO VALLEY MS4**
AZPDES#: **AZSM65768**
Reporting Period: **01-Jul-2018-30-Jun-2019**
Submit Date: **09/30/2019**

Required Information

Permit Part 9.8, Duty to Provide Information, requires the Town to supply any information which ADEQ may request to determine compliance with the permit. The Town must provide the following:

- No additional information is required at this time.

Thank you for your efforts to comply with Arizona's environmental requirements.

Thank you,





ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



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

Small MS4 Annual Report

ID #: AZSM65768

MS4 Name: TOWN OF ORO VALLEY MS4

Reporting Period: 01-Jul-2018 - 30-Jun-2019

Main Office

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Annual Report Summary

Company Information

Name : TOWN OF ORO VALLEY STORMWATER UTILITY
11000 N. LA CANADA
ORO VALLEY
AZ , 85737

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

Answer: No

Question: Is stormwater sewer mapping 100 percent complete?

Answer: No

Percentage completed: 95

Provide estimated dates for the percent completion:

100% - 09/30/2020

Provide the description of the measurable goal:

The current Town of Oro Valley Stormwater infrastructure inventory is a functioning GIS geometric network and includes all public and private streets as well as approximately 1606 storm inlets, 487 culverts, 1063 conveyance pipes, 983 channels, and 215 stormwater detention basins. This inventory is estimated to be 95% complete at the time of submission of this report, and is updated as features are encountered via the Town's MS4 inspection process and through integration of assets associated with new development. This process is continuous and for the purposes of investigation, the Town of Oro Valley has mapped both municipal and private stormwater infrastructure in the database. This process assists the Town with investigation of illicit discharges, as well as potential flood control solutions.

Question: Is outfall mapping 100 percent complete?

Answer: No

Number of outfalls mapped: 46

Percentage completed: 90

Provide estimated dates for the percent completion:

100% - 09/30/2020

Provide the description of the measurable goal:

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Using GIS and aerial photography to verify locations of municipal and private outfalls, the Town of Oro Valley has identified 90% of its outfall inventory. Further verification through in-situ inspection of some tributaries to Appendix B Waters throughout Town will possibly reveal more locations to complete the inventory by September of 2020.

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

Answer: Yes

Provide the description of the measurable goal:

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
Town of Oro Valley	Town Code Chapter 15 Article 25	06/20/2001	

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
Town of Oro Valley	Town Code Chapter 15 Article 25	06/20/2001	

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
Town of Oro Valley	Town Code Chapter 15 Article 25	06/20/2001	

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

Answer:

BMP Name: BMP 1.3 Distribution of Brochures to Businesses That Potentially Affect Stormwater Quality

Category: Brochures

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Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Informational Brochures will be developed for targeted business sectors involved in activities such as home repair, commercial construction, auto repair, plant nurseries, food service, auto repair, and residential / office cleaners.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: Businesses **Frequency:** 1 Annually

Milestone Description:

Staff will update brochures one time each year. Staff will select one business type each year for bulk mailing.

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

Actual BMP Start Date: 09/30/2016

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

On March 12, 2019 the Town of Oro Valley mailed a brochure specifically geared toward the carpet cleaning business sector. The headquarters of 21 businesses associated with this industry throughout the Tucson metro area received this brochure. During fiscal year 2018/2019, the Town of Oro Valley received no reports of any illicit discharges associated with this business type.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The targeted business sector for fiscal year 19/20 will be any business associated with pet care and pet grooming, including mobile-grooming businesses.

BMP Name: BMP 1.7 Stormwater Content on the Town of Oro Valley Website

Category: Webpage

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town Stormwater webpage will be reviewed and content updated twice each year, as needed. Homeowner's Associations (HOAs) will be encouraged to post Town Fact Sheets on their webpages.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2019

Targeted End Date: 09/30/2020

Targeted Audience: General Public **Frequency:** 2 Annually

Milestone Description:

The Town Stormwater webpage will be reviewed and content updated twice each year, as needed. Homeowner’s Associations (HOAs) will be encouraged to post Town Fact Sheets on their webpages.

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

Actual BMP Start Date: 09/30/2016

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

The Stormwater webpage held steady in traffic during fiscal year 2018/2019, with nearly 1000 views, showing very similar numbers to those seen in for the previous three years and a continued 100 plus percent increase in the traffic volume seen in 2015/2016.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town Stormwater webpage will continue to be reviewed and updated with relevant content each year.

BMP Name: BMP 1.6 Display of Outreach Materials on Town Owned Sun Shuttle Buses

Category: Display/ Posters

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Displays will be placed on Town-owned buses. The informational content will be developed with cooperation from the Pima County Association of Governments (PAG) Stormwater Management Group.

Is another government entity responsible for this BMP ? Yes

Pima Association of Governments

Measurable Goals:

Start Date: 09/30/2018

Targeted End Date: 09/30/2020

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

Content will be developed one time each year. The goal would be to target one-half of the bus fleet (or 7 buses) each year.

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

Actual BMP Start 01/01/2019

Date:

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

Starting in January of 2019 the Town of Oro Valley began posting Stormwater outreach on 7 of the 28 Town owned Sun-Shuttle vehicles within the fleet. The message on the poster reads "Keep stormwater runoff clean to protect our desert washes". With annual ridership numbers at 43,894, that is nearly 5500 impressions made since the implementation of this program in January, 2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For fiscal year 2019/2020, the Town of Oro Valley will continue this outreach program, with new outreach materials planned for development in fiscal year 2020/2021.

BMP Name: BMP 1.1 Create and Update Informational Brochures

Category: Brochures

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Informational brochures or fact sheets will be updated and made ready for distribution. Topics may include proper pet waste disposal, safe swimming pool discharge, safe household and industrial chemical disposal, and resident participation and volunteer opportunities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: Public **Frequency:** 1 Two times per year

Milestone Description:

Ongoing since 2014, staff will review and update annually.

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

Actual BMP Start 09/30/2016

Date:

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

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Brochure content is assessed semi-annually to ensure that the most current information is available. During fiscal year 2018/2019, the Town of Oro Valley added one new brochure on best management practices for the carpet and tile cleaning industry, and also created public outreach on stormwater pollution prevention to be displayed on the Town owned Sun-Shuttle fleet.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For fiscal year 2019/2020, the Town of Oro Valley will continue evaluating and creating brochure content and other public outreach materials as needed.

BMP Name: BMP 1.4 Stormwater content in the Oro Valley Vista Newsletter

Category: Press Release

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Staff will prepare brief public-information articles on best practices and stormwater quality, for publication in the Town of Oro Valley Vista Newsletter.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

The Town's Vista Newsletter is published bi-monthly via the town web site. Stormwater information will be submitted for publication and distributed one time each year.

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

Actual BMP Start Date: 09/30/2016

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

The goal with this program is communication. We want to make sure the public knows the Town of Oro Valley is concerned about public safety and water quality and that they know exactly where they can report a potential issue when encountered. The Oro Valley Vista article went out on July 01, 2018, potentially reaching every resident within the Town of Oro Valley.

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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BMP Name: BMP 1.5 Outreach Events at Town of Oro Valley Schools

Category: School Event

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Educational materials, including PowerPoint presentations, will be updated and presented. Topics will include promoting litter-free environment and environmental awareness. Targeted age group 4th through 6th grade.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: School children **Frequency:** 1 Annually

Milestone Description:

Staff will review and update existing presentation materials and purchase appropriate informational SWAG or “stuff we all get” to be given away as take-home remembrances. In addition, staff will be available should a school or organization request a speaker. Staff goal is to provide, on average, one outreach presentation each year.

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

Actual BMP Start Date: 09/30/2016

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

The Town is committed to making itself available for participation at school events each year. During fiscal year 2018/2019 the Town of Oro Valley Stormwater Utility participated in the Wilson K-8 elementary school STEM Fair. With an annual enrollment of 1100 students and a large number of those students actively participating in the STEM Fair each year the potential for impressing on these students, the importance of pollution prevention and stormwater quality, is made evident by the meticulous attention to detail by school faculty and high volume of participation by the students.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley Stormwater Utility has fostered a relationship with the faculty of this school, already having done two outreach events at this location in 2017 and 2018 respectively and has arranged to participate in the Wilson K-8 elementary school STEM Fair again in November of 2019.

BMP Name: BMP 1.8 Effective Response to Public Inquiries

Category: Public interaction/meetings

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Responding to public inquiries regarding stormwater quality, illicit disposal of wastes, and requests for information.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: General Public **Frequency:** 365 Daily

Milestone Description:

The Town has identified two principal contacts (Stormwater Utility Manager, and the Town's Constituent Services Coordinator) to determine best response and follow up, as needed.

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

Actual BMP Start Date: 09/30/2016

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

During fiscal year 2018/2019 the Town of Oro Valley provided swift and effective response to public concerns and inquiries through this BMP, which assists the public in informing Town staff when Illicit activity is witnessed. During fiscal year 2018/2019 Town of Oro Valley stormwater staff responded to all constituent stormwater related concerns including 2 reports of illicit discharges.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley in fiscal year 2019/2020 will continue to investigate and seek resolution of problems brought to Stormwater Utility staff by concerned residents.

BMP Name: BMP 1.2 Distribution of Informational Brochures to the General Public

Category: Brochures

Personnel Position/Department: Town of Oro Valley Stormwater Utility

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BMP Description :

Informational brochures will be distributed to the general public by mail to the 19,400 water utility customers annually. The SWU will also be present at various Town events distributing information on water quality and best practices pertaining to stormwater quality.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Targeted Audience: Public **Frequency:** 1 Annually

Milestone Description:

Brochures will be mailed by Stormwater Utility staff to approximately 19,400 water-utility customers. Mailings will be mailed one time each year.

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

Actual BMP Start Date: 09/30/2016

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

The goal with this program is to reach a large and diverse audience on a wide range of water quality topics. Topics include volunteer opportunities, keep Oro Valley clean and safe, and prevention of stormwater pollution on construction sites. During fiscal year 2018/2019 19,400 water utility customers received an informational brochure on volunteer opportunities, proper swimming pool discharging, and pollution prevention best practices. The Town of Oro Valley also participated in 8 public outreach events totaling 58 hours of public outreach at which informational brochures on stormwater quality and pollution prevention were distributed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For fiscal year 2019/2020 informational brochures will continue to be distributed to the general public by mail to the water utility customers annually. The SWU will also continue to be present at various Town events distributing information on water quality and best practices pertaining to stormwater quality and pollution prevention.

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.

Through updating and distribution of brochures, 58 hours spent appearing at local events while interacting with the public, as well as educational material in the Town newsletter and on the website, the Town of Oro Valley ran a successful public outreach and education program for fiscal year 2018/2019. With 19,400 households and businesses reached through our mailing, as well as swift action on numerous public inquires during the fiscal year, our belief is that the appropriate best management practices (BMPs) have been chosen for this minimum control measure.

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

Answer:

BMP Name: BMP 2.1 Public Participation Through the Stormwater Utility Commission (SWUC)

Category: Public Participation

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Create opportunity for volunteers to help develop the Stormwater Management Program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Monthly

Milestone Description:

The Town created a 5-member Stormwater Utility Commission (SWUC) in 2001 to provide guidance on developing and implementing the Stormwater Management Program (SWMP), policy development, defining level of service, assessing revenue requirements, and reviewing monthly/annual income and expenditures.

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

Actual BMP Start Date: 09/30/2016

Date:

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

Created in 2001, the all-volunteer Stormwater Utility Commission (SWUC) acts as an advisory committee on key policy components. The SWUC continues to advise the Town of Oro Valley on multiple facets of Stormwater Utility operations .

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The all-volunteer SWUC will continue to act as an advisory committee for the Town of Oro Valley Stormwater Utility, and provide active participation and engagement on key components of Stormwater Utility operations.

BMP Name: BMP 2.3 Public Interaction With SWU Staff

Category: Public Involvement

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Responding to public inquiries regarding stormwater quality, illicit disposal of wastes, and requests for information.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town has identified two principal contacts (Stormwater Utility Manager, and the Town's Constituent Services Coordinator) to determine best response and follow up, as needed.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley is committed to providing swift response to public inquiries/concerns regarding stormwater quality, illicit disposal of wastes, and requests for information. Stormwater Utility staff respond to every concern voiced by residents and businesses, and work collaboratively in finding solutions when needed. This practice has fostered an informed public that frequently alerts Stormwater Utility staff when potential illicit activity is witnessed, thus providing both an educated public and a reduction in pollution and illicit discharges.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Stormwater Utility staff will continue to respond to every concern voiced by residents and businesses, and work collaboratively in finding solutions.

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BMP Name: BMP 2.4 Solicitation of Public Comments Regarding Key Components of Utility Operations

Category: Public Involvement

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Make the SWMP, NOI, Annual Reports, SWUC meeting agenda and minutes, available to the general public via the Town website.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

Documents are available to the public by visiting the Town Clerk's Office or the Town's webpage. Website Updates occur monthly, or as needed.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley continued to makes these documents readily available for public viewing and commenting on the Town of Oro Valley web-page and the Town Clerk's office throughout fiscal year 2018/2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue to makes these documents readily available for public viewing and comments.

BMP Name: BMP 2.5 Encouragement of Public Participation via Volunteer Groups Sponsored by the Town of Oro Vall

Category: Public Participation

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

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Create activities for volunteer groups, such as Adopt-a-Wash, Adopt-a-Roadway and Adopt-a-Trail programs.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Adopt-a-Wash, Adopt-a Roadway, and Adopt-a-Trail programs are established, and include participation by civic groups, clubs, neighborhood groups, and businesses.

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

Actual BMP Start Date: 09/30/2016

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

The goal with this program is to create environmental stewardship and public participation through volunteer opportunities. During fiscal year 2018/2019, 80 volunteer cleanups took place via our Adopt-a-Programs.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue to sponsor the highly successful Adopt-a-Roadway, Trail and Wash programs for the next fiscal year.

BMP Name: BMP 2.2 Public involvement Through Notification of Monthly SWUC Meetings

Category: Public Involvement

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Notify the public of monthly Stormwater Utility Commission meetings. Official notices of public meetings are made in accordance with established Town procedures, including publication on the Town webpage and a local newspaper, making notices available at the Town Clerk's Office, and posting bulletins in prominent locations around the meeting area.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

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Targeted End Date: 09/30/2020

Frequency: 1 Monthly

Milestone Description:

The SWUC meets monthly.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley posts SWUC meeting dates and agendas via multiple platforms. There are 5 physical locations throughout Town where meeting agendas, times and dates are provided for the general public. The public is also notified of upcoming meetings via the Town of Oro Valley web-page. This practice has led to active public participation with audience members frequently attending SWUC meetings.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue to notify the public of upcoming meetings on the Town web-site and via bulletins posted in the 5 physical locations throughout Town.

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? No

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

Public participation in Oro Valley is fostered through the 5 member volunteer Stormwater Utility Commission (SWUC), volunteer cleanup efforts throughout Town via our Adopt-a programs, and conduits through which the public can interact with Stormwater Utility Staff and make comments and express concerns. Numbers clearly show an actively participating public throughout the Town of Oro Valley. During fiscal year 2018/2019, Stormwater Utility staff responded to numerous public concerns regarding potential drainage violations, the Stormwater portion of the Town of Oro Valley website saw roughly the same volume of traffic as the previous fiscal year and 80 volunteer cleanups took place via our Adopt-a-programs.

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: BMP 3.3 Identification and Mapping of the MS4

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Category: MS4 Mapping

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Review and update the criteria for identifying the MS4 for the Town of Oro Valley.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Annually

Milestone Description:

Staff will review and update annually.

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

Actual BMP Start Date: 09/30/2016

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

For the purposes of illicit discharge detection and elimination, and maintenance of first flush devices and their appurtenant infrastructure, the Town of Oro Valley annually tracks and inspects 20% of all public and private drainage assets within Town limits.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

This updating process began in September of 2016 and is ongoing and continuous.

BMP Name: BMP 3.1 Revision and Implementation of an IDDE Program

Category: Implement IDDE Program

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Review and revise the current Stormwater Ordinance, as needed, to prohibit illicit discharges and to standardize and strengthen enforcement.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

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Frequency: 1 One time event

Milestone Description:

Town Code 15-24 provides the regulatory framework for managing, implementing, and enforcing stormwater regulations, including IDDE. Each year, Staff will review for compliance with current State Regulations, as well as its effectiveness in providing uniform compliance.

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

Actual BMP Start 09/30/2016

Date:

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

The Town of Oro Valley has revised and implemented an Illicit Discharge Detection & Elinination (IDDE) program with enforcement response procedures, and The Town of Oro Valley currently has an enforcement mechanism under Town of Oro Valley Code 15-24.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue with implementation of the current IDDE program throughout fiscal year 2019/2020.

BMP Name: BMP 3.2 Mapping of the Storm Drain System

Category: Dry Weather Screening

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Review and update GIS database of the MS4 based on new information, when available.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Daily

Milestone Description:

Geographical information gathered through new public and private development, and systematic Town inspections of stormwater assets continues to be added to the MS4 dataset. Stormwater Utility staff review and revise GIS datasets as new information becomes available.

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

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Actual BMP Start 09/30/2016

Date:

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

The Town of Oro Valley continuously reviews and updates the GIS database of public and private stormwater infrastructure assets so that potential illicit discharges can easily be traced through the network, as well as easily discovered through the stormwater asset inspection program. This updating takes place as a result of new development and the associated addition of new assets, as well as the discovery of additional un-mapped assets through the asset inspection program.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue updating this database with any assets discovered through our inspection process, as well as any assets put in place via new development.

BMP Name: BMP 3.6 Training of Town Volunteers

Category: Implement IDDE Program

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Train volunteers within the Adopt-a-Wash, Adopt-a-Road, and Adopt-a-Trail programs in detection and elimination of illicit discharges.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Daily

Milestone Description:

Staff will instruct new and returning volunteers when participants are active.

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

Actual BMP Start 09/30/2016

Date:

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

During the 2018/2019 fiscal year the Town of Oro Valley trained 5 new participants in the Adopt-a-Roadway program in the detection of, and who to notify in the event that, an illicit discharge is discovered while volunteering for the Town. This training consists of a video ("A Grate Concern") being shown to all new volunteers who then sign and date a form attesting that they were shown the video on that date.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue training all new volunteers throughout fiscal year 2019/2020.

BMP Name: BMP 3.4 Identification and Mapping of the Town’s Municipal Outfall Inventory

Category: Wet Weather Monitoring

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

SWU staff are currently reviewing and updating the process by which municipal outfalls are identified and mapped. Once identified and mapped, this updated data will be compiled and organized to reflect recent information.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Annually

Milestone Description:

Staff will review and update annually.

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

Actual BMP Start Date: 09/30/2016

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

Currently the Town of Oro Valley conducts wet weather outfall monitoring at 5 locations within the Town. 3 locations that are Town owned municipal outfalls and 2 locations (screening points) chosen for their close proximity to large commercial complexes. These 2 locations take a significant portion of the drainage from these complexes. The locations of these 2 screening points allow the Town to quickly assess the stormwater quality of these 2 areas as it outfalls into the Canada Del Oro Wash. The other 3 outfall locations also outfall to the Canada Del Oro Wash and were chosen either based on their close proximity to commercial development or high density residential development. The Town conducted 4 wet weather monitoring sessions at each of these locations during fiscal year 2018/2019 and the water was clear and free of pollutants and odors during each of the monitoring sessions.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue mapping outfalls in fiscal year 2019/2020 using GIS and aerial photography to verify locations of municipal and 3rd party outfalls. The Town of Oro Valley currently has identified 90% of its outfall inventory. Further verification through in situ inspection of some tributaries to Appendix B Waters throughout Town will possibly reveal more locations to complete the inventory by September of 2020. This work is ongoing and continuous.

BMP Name: BMP 3.5 Municipal Employee Illicit Discharge Training Programs

Category: Staff Training

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Train Town employees in detection and elimination of illicit discharges to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2019

Targeted End Date: 09/30/2020

Frequency: 1 Annually

Milestone Description:

Staff will be trained to be Certified Stormwater Inspectors by the National Stormwater Center or equivalent (we currently have 14 qualified inspectors). This training includes identifying sectors of the public (by region, industry, neighborhood) most likely to contribute illicit discharges, and to use this information to perform more effective inspections.

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

Actual BMP Start Date: 09/30/2016

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

During fiscal year 2018/2019 the Town of Oro Valley conducted Stormwater refresher training for its employees as well as for employees working for Pima County and in the private sector. This training took place on October 31, 2018 and consisted of training in illicit discharge detection as well as SWPPP inspection training.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For fiscal year 2019/2020 the Town of Oro Valley plans to conduct the municipal employee training during the last quarter between March and June of 2020.

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BMP Name: BMP 3.7 Written IDDE Procedures

Category: Written IDDE Procedures

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley has a written IDDE procedures, as required in section 3 of the AZG2016-002 small MS4 permit. Furthermore, the Town also has an enforcement response plan (ERP) that specifies how it will exercise its legal authority to comply with the MS4 permit. The ERP includes a prioritization schedule that establishes escalated enforcement for non-compliance of illicit discharges and construction activities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 One time event

Milestone Description:

The Town of Oro Valley has written IDDE and ERP procedures, as well as a standard operating procedure for dry-weather inspection of outfalls.

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

Actual BMP Start Date: 09/30/2016

Date:

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

Per the State of Arizona AZG2016-002 Small MS4 Permit Section 3.3 (adopted 9/30/2016), the Town of Oro Valley has drafted a written Illicit Discharge Detection and Elimination program. This program includes, a written overview including who within the Town is responsible for administering the program, a standard operating procedure on dry and wet weather inspection of outfalls, and a written enforcement response procedure on the elimination of Illicit discharges to the Town MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue operating under this IDDE program during fiscal year 2019/2020.

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

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

Through mapping the Town MS4, training of employees, public education, and coordination between multiple departments, BMPs and procedures are in place to stop and eliminate illicit discharges to the storm drain. During fiscal year 2018/2019 the Town of Oro Valley continued to have on staff 13 employees from multiple departments trained as Certified Stormwater Inspectors. The Town conducted annual staff stormwater training on October 31, 2018 and responded to, and stopped, 2 illicit discharges. Appropriate BMPs and procedures are in place at the Town of Oro Valley which ensure multiple department coordination, investigation, and cessation of illicit discharges to the maximum extent practicable.

Question: Were staff trained in IDDE Awareness and Response?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	10/31/2018	SWPPP & IDDE, Good Housekeeping	9	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: 2

Number of IDDE incidents responded to in this reporting period: 2

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	2	2	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

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7	Criminal Action	0	0	0
	Total	2	2	0

Question: Were there any unpermitted discharges to the MS4?

Answer: No

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

Answer: No

Number of Illicit Discharges Sampled are:

We had 2 discharges. One was a swimming pool discharge in which the violator was given a letter of correction, and the other was a concrete washout issue in which the violator was issued a letter of correction and the discharge was cleaned up by the violator. We have seen a significant reduction in illicit discharges recently due to the proactive approach by the Town of Oro Valley Stormwater Utility in both educating the public on the National Pollutant Discharge Elimination System, as well as the immediate cessation of these activities upon discovery.

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: BMP 4.3 Establishment and Review of Town Ordinances Regarding Disposal of Hazardous Construction Site

Category: Control Wastes

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley Stormwater Utility has established and annually reviews, specific ordinances regarding hazardous waste disposal as well as sediment and erosion control from construction sites.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town of Oro Valley routinely inspects construction sites for compliance with both Town and ADEQ regulations. Ordinances include language allowing for applicable penalties in the event of non-compliance on the part of responsible parties.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley established a water quality ordinance in 2001 which provides effective regulatory compliance and enforcement mechanisms and ensures the Town and all parties permitted by the Town adhere to both federal and state water quality regulations.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue to implement Town Code 15-24 which effectively adheres to, and enforces, Federal, State, and Local water quality requirements.

BMP Name: BMP 4.1 Comprehensive Pre-Construction Site Plan Review

Category: Site Plan Review

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley requires submittal of a SWPPP by construction site developers, to include both structural and non structural stormwater controls.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

SWPPPs are reviewed and assessed for effectiveness during pre-construction meetings. Any potential issues with the SWPPP are noted by the Town and corrections are made prior to issuance of a grading permit.

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

Actual BMP Start Date: 09/30/2016

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

All project SWPPPs are reviewed and assessed for efficacy prior to pre-construction meetings. Any SWPPP found to be deficient is corrected prior to issuance of a grading permit.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley permitting process will continue to incorporate comprehensive drainage and SWPPP review as an integral part of the development permitting process.

BMP Name: BMP 4.5 Personnel Qualifications and Education of Private Contractors/Developers

Category: Construction Operator Training

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

All SWU field staff are certified stormwater inspectors, and are able to assess construction sites within the Town of Oro Valley, for compliance with the State of Arizona Construction General Permit. During pre-construction meetings all site operators are notified by Stormwater Utility staff of the specific expectations regarding erosion and sediment control on construction sites. This process is done by both verbally expressing the Town of Oro Valley’s expectations of SWPPP operators during the construction phase as well as a brochure that is given to contractors during these meetings. This brochure explicitly outlines Town of Oro Valley expectations throughout all phases of construction including what is expected upon completion of the project and these developments are transitioned into the post-construction phase.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The stormwater management objective of this program is a reduction in SWPPP deficiencies at construction sites and the associated notices of correction issued to construction site operators within the Town of Oro Valley.

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

Actual BMP Start Date: 09/30/2016

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

All construction site/SWPPP operators were given a verbal outline of Town expectations regarding erosion and sediment control at their site during the pre-construction meetings. A brochure outlining Town expectations and what to expect during routine SWPPP inspections was also given to every contractor present during these meetings.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Due to the noticeable reduction in SWPPP deficiencies and construction site water quality violations, The Town of Oro Valley will continue with this training procedure during fiscal year 2019/2020.

BMP Name: BMP 4.6 Establish Procedures for Receipt and Consideration of Constituent Submittals

Category: Education/Public Involvement

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley solicits and responds to public information about illicit discharges at construction sites through both the Stormwater Utility office as well as the Town’s Constituent Services Coordinator (CSC).

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

This system ensures that possible water-quality issues at construction site can be easily reported by the the public and acted upon swiftly by the Town of Oro Valley.

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

Actual BMP Start Date: 09/30/2016

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

Throughout fiscal year 2018/2019 the Town of Oro Valley continued to provide swift and effective response to constituent concerns regarding construction sites.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

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Milestone Description:

The Town of Oro Valley will continue to respond to all construction site related concerns brought before the Stormwater Utility Manager, and the Constituent Services Coordinator during the upcoming fiscal year.

BMP Name: BMP 4.4 Documentation of Procedures

Category: Inspections

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley has developed and will continue to assess, for the purposes of permit compliance, written procedures for tracking and archiving all final site plan submittals and inspection documents associated with construction site SWPPPs and SWPPP inspections for the state mandated period of three years past project completion date.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The result of this program is effective site inspection scheduling and procedures as well as effective management of information.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley utilizes a Cartegraph/GIS system to track the progress and inspections of construction sites throughout Town. A standard operating procedure documenting a proper SWPPP inspection has been drafted and implemented. Tracked within the Cartegraph/GIS system are project location, NOI certificate and date of certificate, SWPPP superintendent contact information, inspection reports and date of reports, approved SWPPP plan and improvement plans, and the NOT certificate and date of certificate (for purposes of moving project to post-construction category).

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For fiscal year 2019/2020, the Town of Oro Valley will continue to utilize this tracking system for all storage of information regarding construction projects throughout Town.

BMP Name: BMP 4.2 Erosion and Sediment Control for Capital Improvement Projects

Category: Erosion/ Sediment Control

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley has implemented specific measures and staff training, to control runoff from capital improvement project sites overseen by the Town.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town of Oro Valley regularly inspects these construction sites with photographic documentation when necessary and applies swift corrective action to any problems noted by the inspector.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley Stormwater Utility ensures that regular inspection of these construction sites with photographic documentation, and swift corrective action to any issues occurs with every capital improvement project.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley Stormwater Utility will continue providing support and supplemental inspections in addition to the routine inspections performed by the Town's Engineering Division for these capital improvement projects.

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

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

During fiscal year 2018/2019 the Town of Oro Valley continued with the updated tracking process by which active SWPPPs and SWPPP inspections are conducted and archived. During fiscal year 2018/2019 SWPPP inspections continued being logged into the Town's Cartegraph asset management software. Contractor compliance, as well as tracking and cessation of problematic activities continues to be a high priority within the Town of Oro Valley Stormwater Management Program. Prior to new construction, the Town of Oro Valley has in place, comprehensive procedures for site plan review, and requires developers to submit a SWPPP for review by staff licensed engineers. The Town of Oro Valley has adopted an ordinance that specifically pertains to water quality. This ordinance is reviewed annually for efficacy with regard to all facets of water quality, including construction activity throughout Town. Currently effective BMPs exist which ensure that construction sites are routinely inspected and in compliance with ADEQ regulations. If compliance becomes an issue with a construction site, procedures are in place which either rectify the situation or put a stop to the work.

Question: Were any construction activity operator training events conducted?

Answer:

No

Why weren't training events conducted?

During pre-construction meetings all construction site operators receive training materials and are made explicitly aware of Town of Oro Valley expectations regarding water quality.

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:	30
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 monthly:	30
Number of active construction sites inspected at least one time every six months:	0
Number of active construction sites inspected at least annually:	0
Number of active construction sites not inspected:	0
Number of active construction sites that required re-inspections in this reporting period:	11
Number of construction activity complaints received in this reporting period:	0

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Number of construction activity complaints that were resolved or 0 responded to:

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	11	11	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	11	11	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: BMP 5.3 Implement Standard Operating Procedure on Post-Construction Inspections

Category: Structural/Non-Structural BMP

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley has a standard operating procedure for post-construction inspections, which describes, among other things, that post-construction inspections begin after: (1) construction is effectively finished and an NOT is submitted to the State, or (2) construction is effectively finished for small projects not requiring SWPPP's.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

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Milestone Description:

The Town maintains a list of current post-construction projects, and schedules inspections of 20% or more each year. Project sites found to have possible compliance issues are reinspected on a more-frequent basis. This process of tracking and performing post-construction inspections is ongoing and continuous.

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

Actual BMP Start Date: 09/30/2016

Date:

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

The Town of Oro Valley has drafted a standard operating procedure for conducting post-construction inspections. Post construction inspections are performed in accordance with the Arizona Department of Environmental Quality (ADEQ) small MS4 permit AZG2016-002 requirements found in Section 6.4.5.

The purpose of the post-construction inspection procedure includes the following:

A reduction in the discharge of pollutants, to the maximum extent practicable, to the MS4 permit area by completed construction projects. This is done through verification of the following:

1. Post construction site planning procedures are implemented and will reduce impacts to stormwater quality.
2. Structural and non-structural control measures are implemented and all temporary best management practices (BMPs) have been removed.
3. All post construction activities are operating in compliance with Town of Oro Valley Code.

For fiscal year 2018/2019 The Town of Oro Valley conducted 23 post-construction inspections and notified all property owners in the event any potential water quality concerns were discovered.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue tracking the progress of all construction sites within the the Town and conducting post-construction inspections upon project completion. This assures that all projects are built according to approved plans and that all infrastructure is maintained and functioning properly.

BMP Name: BMP 5.2 Comprehensive GIS Inventory of Active and Finished Construction Projects

Category: Inventory

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

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The Town of Oro Valley has and continues to update and keep accurate maps active and inactive construction projects within the Town. Once a notice of termination has been submitted to the State by the property owner, the construction project is marked "finished" in the GIS database. Finished projects are then moved into the post-construction inspection phase, and then regularly inspected for compliance with local, State, and Federal water quality regulations.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town regularly inspects active construction sites for CGP compliance, and consequently we are aware when construction is effectively finished, and post-construction stormwater management begins. The process of initiating post-construction inspections is ongoing and continuous.

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

Actual BMP Start Date: 09/30/2016

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

This GIS/Cartegraph inventory of active and completed construction projects has enabled the Town of Oro Valley to effectively manage SWPPP inspections and easily move all projects to post-construction phase upon completion. During fiscal year 2018/2019 the Town of Oro Valley Stormwater Utility completed 23 post-construction inspections of recently completed projects. This inventory and inspection protocol, along with the public and private stormwater asset inspection program, allows the Town to alert private property owners in the event of problems with their infrastructure, as well as schedule maintenance and repair of publicly owned assets.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue annually inspecting public and private drainage infrastructure, as well as utilizing the GIS/Cartegraph inventory of construction projects to make sure these assets are in proper working order. Notices of correction will be issued to private property owners upon discovery of structural failure or deferred annual maintenance.

BMP Name: BMP 5.1 Creation, Review and Enforcement of Post-Construction Stormwater Pollution Prevention Regula

Category: O&M Procedures

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Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

Town of Oro Valley has in place and will continue to evaluate and revise, when needed, regulatory mechanisms, and standard operating procedures which ensure inspection and maintenance of post construction stormwater controls by responsible parties.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 20 Percent per year

Milestone Description:

The Town of Oro Valley routinely inspects post construction stormwater controls, including photographic documentation when necessary, and notifies property owners in the event of non-compliance.

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

Actual BMP Start Date: 09/30/2016

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

Through the Town's public and private asset inspection process 12 notices of correction were issued during fiscal year 18/19 all of which were directly associated with deferred maintenance on structural stormwater controls.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue inspecting public and private drainage infrastructure and utilizing and updating as needed, Town Code 15-24, thereby regulating and enforcing maintenance requirements on all infrastructure within any development site not in compliance with Town post-construction pollution prevention guidelines.

BMP Name: BMP 5.4 Site Plan Review

Category: Site Plan Reviews

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town reviews all applications for Grading and Building Permits for compliance with the Section 12 of the Town of Oro Valley Drainage Criteria Manual which describes the minimum erosion and pollution control measures to be implemented during construction.

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Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

All Grading Plans and development Site Plans (regardless of project size) are reviewed for stormwater compliance prior to issuing a permit.

All large projects require SWPPP's, and all small projects require equivalent BMP's. The review of grading plans and site plans for compliance is ongoing and continuous.

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

Actual BMP Start Date: 09/30/2016

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

All new construction project site plans are reviewed by an Arizona registered civil engineer (drainage expert) for efficacy with regard to post-construction standards set by the Town of Oro Valley and the State of Arizona on erosion, pollution and sediment control.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley will continue having all site plans reviewed by a drainage expert for adherence to Local and State regulations on post-construction sediment, pollution and erosion control.

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.

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The Town of Oro Valley continues to have in place, a regulatory mechanism that requires all new commercial development within the Town to incorporate first flush filtration devices into the final design. Town policy also dictates that all private structural stormwater controls be inspected and maintained by the responsible party. Records of these responsible-party inspections are required to be retained for 3 years as well as made available to Town inspectors upon request. The Town of Oro Valley keeps a comprehensive GIS inventory of all active and completed construction projects within the Town and conducts a post-construction inspection of all completed project sites. The Town routinely inspects private stormwater assets and sends out letters of opportunity to correct as well as a formal request for the previous 3 years inspection and maintenance records of all stormwater infrastructure on the premises when deficiencies are observed. This system ensures that all structural stormwater controls throughout the Town are maintained and working properly.

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: 23

Number of Post-Construction Stormwater controls inspected in this reporting period: 23

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 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?

Answer:

BMP Name: BMP 6.3 Implementation of Operation and Maintenance Plans at Two Town of Oro Valley Facilities

Category: O&M Procedures

Facility Information:

10700 N. La Canada Dr.

680 W. Calle Concordia

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town follows the guidelines and procedures in the Operations and Maintenance Plan and the Spill Prevention, Control, and Countermeasures Plan.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 One time event

Milestone Description:

The Town follows the guidelines and procedures in the Operations and Maintenance Plan and the Spill Prevention, Control, and Countermeasures Plan, including inspecting two Town facilities for compliance once each year.

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.

During fiscal year 2018/2019 the Town of Oro Valley implemented O&M and SPCC plans for both municipal operations and maintenance yards located within the Town.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

During fiscal year 19/20 the Town of Oro Valley will continue to operate these two municipal facilities under their respective O&M and SPCC plans

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BMP Name: BMP 6.1 Annual Inspection of Town of Oro Valley Municipal Operations and Maintenance Facilities

Category: Inspections

Facility Information:

10700 N. La Canada Dr.

680 W. Calle Concordia

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley annually inspects municipal facilities for compliance with their respective Operations and Maintenance Plan as well as their respective Spill Prevention, Control, and Countermeasures Plan.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Annually

Milestone Description:

Annually inspect all municipal facilities for compliance. Maintain a permanent record of these inspections and their outcomes, as needed. This activity is undertaken once a year for each facility.

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

Actual BMP Start Date: 09/30/2016

Date:

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

The Town of Oro Valley conducted municipal facility inspections in April of 2019, and made necessary adjustments identified through this process and cataloged the reports.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Town of Oro Valley will continue these routine inspections ensuring ADEQ permit compliance at these sites.

BMP Name: BMP 6.2 Street Sweeping.

Category: Street Sweeping

Facility Information:

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Personnel Position/Department: Town of Oro Valley Public Works Department

BMP Description :

The Town regularly sweep arterial and local streets to remove debris from the pavement, gutter and roadsides that would otherwise go into storm drains, causing water pollution.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Quarterly

Milestone Description:

The Town of Oro Valley schedules arterial street sweeping quarterly and residential streets bi-annually.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley schedules arterial street sweeping quarterly and public residential streets bi-annually.

All streets throughout the Town were swept according to this schedule. Streets were also swept on an as needed basis for the purposes of sediment removal after storm events. According to the Town of Oro Valley Streets Superintendent, approximately 3500 tons of material were collected during fiscal year 2018/2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

All streets throughout the Town will continue to be swept according to this schedule for fiscal year 2019/2020.

BMP Name: BMP 6.4 Municipal Employee Training Program

Category: Training

Facility Information:

10700 N. La Canada Dr.
680 W. Calle Concordia

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Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley Stormwater Utility staff will conduct annual pollution prevention, good housekeeping, and spill prevention/response training sessions for all Town municipal operations division, and parks and recreation employees.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 1 Annually

Milestone Description:

All applicable Town of Oro Valley staff will annually receive the training and guidance on equipment handling, storage, maintenance, and spill prevention/response procedures.

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

Actual BMP Start Date: 09/30/2016

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

The Town of Oro Valley annually trains municipal employees in good housekeeping, IDDE, also During fiscal year 2018/2019 the Town of Oro Valley incorporated SWPPP inspection/implementation refresher training into the curriculum. This training was held on 10/31/2018.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley annually trains municipal employees in good housekeeping, IDDE, and other water quality related topics, and plans to conduct this training during the last quarter of fiscal year 2019/2020.

BMP Name: BMP 6.5 Town of Oro Valley Municipal Vehicle and Heavy Equipment Washing Procedures

Category: Maintenance Activities

Facility Information:

10700 N. La Canada Dr.

680 W. Calle Concordia

Personnel Position/Department: Town of Oro Valley Public Works Department

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BMP Description :

Motor vehicles and heavy equipment are routinely taken to a washing facility where dirty water is collected, treated, and reused, and ultimately discharged into the sanitary sewer for disposal.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town of Oro Valley utilizes an onsite industrial grade vehicle and heavy equipment washing area that recycles the vehicle wash water and collects all potential environmental contaminants for proper disposal. The Town of Oro Valley has utilized these equipment washing procedures since the installation of this equipment in 2011. This activity is ongoing and continuous.

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

Actual BMP Start Date: 09/30/2016

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

All municipal vehicles and heavy equipment were cleaned at this facility during fiscal year 2018/2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley has utilized these equipment washing procedures since the installation of this equipment in 2011 and will continue to do so throughout fiscal year 2019/2020.

BMP Name: BMP 6.6 Town of Oro Valley Fleet Maintenance Schedule

Category: Maintenance Schedule

Facility Information:

10700 N. La Canada Dr.

680 W. Calle Concordia

Personnel Position/Department: Town of Oro Valley Public Works Department

BMP Description :

The Town of Oro Valley adheres to a fleet maintenance schedule designed to prevent pollution. Furthermore, all heavy equipment is visually inspected for oil or fluid leaks prior to each use.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

The Town of Oro Valley vehicle maintenance schedule includes an escalated maintenance regimen based upon mileage for vehicles and engine hours for heavy equipment. Small motor vehicles are serviced as follows: Every 5000 miles ("A"service), Every 10000 miles ("A"service plus "B"service), Every 20000 miles ("A"service plus "B"service plus "C"service). For heavy equipment the schedule is as follows: Every 250 hours (A service), Every 500 hours (A service plus B service), Every 1000 hours (A service plus B service plus C service), Every 2000 hours (A service plus B service, plus C service, plus D service). Daily Inspection Logs for heavy equipment are used and kept on file.

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

Actual BMP Start Date: 09/30/2016

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

All Town of Oro Valley vehicles and heavy equipment were serviced according to this schedule during fiscal year 2018/2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

All Town of Oro Valley vehicles and heavy equipment will be serviced according to this schedule during fiscal year 2019/2020.

BMP Name: BMP 6.7 Facility Safety Data Sheet Inventory

Category: Inventory

Facility Information:

10700 N. La Canada Dr.

680 W. Calle Concordia

Personnel Position/Department: Town of Oro Valley Stormwater Utility

BMP Description :

The Town of Oro Valley keeps a comprehensive safety data sheet inventory of all potentially hazardous materials utilized onsite at the two operation and maintenance facilities located at 680 W. Calle Concordia, and 10700 N. La Canada Dr.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/30/2020

Frequency: 365 Daily

Milestone Description:

Each safety data sheet includes a section on accidental release measures, providing information on the appropriate response to spills, leaks, or releases, including containment and cleanup practices to prevent or minimize exposure to people, properties, or the environment. It also includes recommendations distinguishing between responses for large and small spills where the spill volume has a significant impact on the hazard. The information in these sheets consists of recommendations for:

Methods and materials used for containment (e.g., covering the drains and capping procedures).

Cleanup procedures (e.g., appropriate techniques for neutralization, decontamination, cleaning or vacuuming; adsorbent materials; and/or

equipment required for containment/clean up)

This activity is ongoing and continuous.

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

Actual BMP Start Date: 09/30/2016

Date:

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

Each facility continued to keep a safety data sheet inventory onsite during fiscal year 2018/2019.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Town of Oro Valley is exploring the possibility of moving this inventory to electronic storage for fiscal year 2019/2020.

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.

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The Town of Oro Valley has implemented procedures which ensure to the maximum extent practicable, good housekeeping at all municipal operations areas. These areas are inspected annually. Any deficiencies are noted and corrected. Housekeeping policies are reviewed annually and updated as needed. During fiscal year 2018/2019 the Town implemented Operation and Maintenance Plans (O&M plans) for the two main Town owned operations facilities. Applicable Town staff receive annual training on illicit discharge prevention at municipal facilities. Town policy dictates that all major streets are swept quarterly while all public residential streets are swept bi-annually. These are the practices by which the Town of Oro Valley ensures good housekeeping and pollution prevention at all Town owned facilities.

Question: Was staff training conducted?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	10/31/2018	IDDE, SWPPP, Good Housekeeping	9	Annually

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