



ANNUAL REPORT

Arizona Pollutant Discharge Elimination System (AZPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit (AZG2016-002)

Regulated Small Municipal Separate Storm Sewer Systems (MS4s) must submit an Annual Report (AR) to the Arizona Department of Environmental Quality (ADEQ) before September 30 each year. Permittees must complete an Annual Report and submit the original, signed document to:

Arizona Department of Environmental Quality
Surface Water Section/Stormwater & General Permits Unit (5415A-1)
1110 West Washington Street, Phoenix, AZ 85007

A. REGULATED SMALL MS4 INFORMATION

Annual Report for Reporting Year: 2017- 2018

LTF Number:	65755	Name of MS4:	City of Yuma		
Primary Contact:	Jeffrey A. Kramer		Title:	City Engineer	
Mailing Address:	155 West 14th Street				
City:	Yuma	Zip Code:	85364	County:	Yuma
Telephone Number:	(928) 373-4529	Email Address:	Jeffrey.Kramer@yumaaz.gov		

Non-Traditional MS4 City/County Estimated Population: 105,000

<p>Is another entity responsible for any satisfying any permit requirements (6.4b): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. If yes, complete the following questions; if no, continue to Section B.</p>	<p>Identify Partnered Entity: None</p>
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<p>Provide a description of permit requirements being implemented by another entity: Not applicable</p>	<p>Type of Legally-binding Agreement:</p>
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B. MAPPING (4.0 and 8.4(b))	
<p>1. Provide a narrative description of the permittee’s mapping progress: Stormwater Sewer Mapping (City of Yuma Stormwater Collection System atlas) (including roads with drainage system, municipal streets, catch basins, curbs, gutter, ditches, man-made channels, or storm drains that are owned or operated by the permittee and convey stormwater to Waters of the US. Atlas last updated on July 2015.</p>	
<p>2. Number of outfalls currently mapped: 11 outfalls</p>	<p>3. Outfall mapping: Percentage Complete: 100%</p>
<p>4. Storm Sewer System Mapping: Percentage Complete: 100%</p>	<p>5. Identification of Waters of the U.S. that receive discharges from the outfalls Percentage Complete: 100%</p>
<p>6. Has land been annexed into the MS4 since the previous reporting year: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (4.2).</p> <p>If yes, complete the following:</p> <ul style="list-style-type: none"> a) Total area annexed since last annual report: 80 acres b) Mapping of new area – Percent complete: 100% c) Are BMPs fully implemented in annexed area: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No d) Provide a description of BMP implementation for areas annexed into the regulated MS4 since the last reporting period: Same BMPs implemented in the current SWMP 	

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C. PROGRAM EVALUATION (8.1.1 and 8.4d)

Provide a written assessment of the appropriateness of identified best management practices and progress toward achieving identified measurable goals for each minimum control measure.

- 1- Minimum Control Measure (MCM) No. 1: Public Education and Outreach: this MCM has four best management practices (BMPs). All BMPs, except the public announcement on local TV (BMP No. 2 in the original SWMP), had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. No BMP was replaced due to ineffectiveness.
- 2- Minimum Control Measure (MCM) No. 2: Public Involvement and Participation: this MCM has four best management practices (BMPs). All BMPs, except holding a public hearing (BMP No. 2 in the original SWMP), had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. BMP No. 2 for holding a public hearing has been replaced by the cleanup stormwater collection system at the Priority Area (P.A.)
- 3- Minimum Control Measure (MCM) No. 3: Illicit Discharge Detection and Elimination (IDDE): this MCM has five best management practices (BMPs). All BMPs had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. A new IDDE program is underway and expected to be completed in 2018.
- 4- Minimum Control Measure (MCM) No. 4: Construction Site Runoff Control: this MCM has six best management practices (BMPs). All BMPs had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. A new IDDE program is underway and expected to be completed in 2018.
- 5- Minimum Control Measure (MCM) No. 5: Post-Construction Site Runoff Control: this MCM has five best management practices (BMPs). All BMPs had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. A new IDDE program is underway and expected to be completed in 2018.
- 6- Minimum Control Measure (MCM) No. 6: Good Housekeeping and Pollution Prevention: this MCM has three best management practices (BMPs). All BMPs had been and are evaluated to be effective and achieving the identified measurable goals set in the SWMP. A new IDDE program is underway and expected to be completed in 2018.
- 7- Additional Control Measure (ACM) No. 1: this measure is developed for the designation of the Colorado River as impaired for selenium and dissolved oxygen. This designation was first initiated by ADEQ in 2008. The ACM No. 1 has five BMPs including the analytical monitoring plan (AMP) for testing stormwater runoff at the River outfalls. The AMP was approved by ADEQ on 6/29/2017.

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D. MCM-1: PUBLIC EDUCATION AND OUTREACH (6.4.1 and 8.1.2)					
D-1 Provide a Summary of Public Education and Outreach BMPs in the Table Following Table					
Best Management Practice	Measurable Goal (how is progress being measured)	Theme or Message	Target Audience	Final Measure of Assessment (5.1.e.3)	Summary of Results and Effectiveness (8.1.2)
<i>Display/ Posters Educational Materials about stormwater pollution prevention plan</i>	<i>Reaching out to the Yuma development community over the 5-year program period</i>	<i>24"X36" Construction poster in both English and Spanish is designed to target development community. The post, titled "Stormwater and the Construction Industry" shows by text and photos the recommended and not recommended best management practices in construction sites to eliminate and reduce stormwater pollution</i>	<i>Development Communities within the greater Yuma area</i>	<i>20% annual distribution- 10,000 residents per year</i>	<i>33% decrease in the stormwater infrastructure pollution at construction sites</i>

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<p><i>Brochures</i> <i>Educational Materials</i> <i>about stormwater</i> <i>pollution prevention</i> <i>plan</i></p>	<p><i>Reaching out to</i> <i>full time and</i> <i>seasonal City of</i> <i>Yuma residents</i> <i>over the 5-year</i> <i>program period</i></p>	<p><i>8.5'X11" brochure, in both</i> <i>English and Spanish, titled</i> <i>"After the Storm-Citizen's</i> <i>Manual to Understand</i> <i>Stormwater Pollution". The</i> <i>brochure shows in text and</i> <i>photos stormwater pollution</i> <i>from construction sites,</i> <i>solutions to stormwater</i> <i>pollution from residential</i> <i>areas, such as garden</i> <i>waste, pet waste and septic</i> <i>systems, and solutions to</i> <i>stormwater pollution from</i> <i>commercial areas</i></p>	<p><i>All permanent</i> <i>and seasonal</i> <i>City of Yuma</i> <i>residents</i></p>	<p><i>20% annual</i> <i>distribution-</i> <i>10,000 residents</i> <i>per year</i></p>	<p><i>Not yet identified</i></p>
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<p><i>Brochures Educational Materials about Illicit Discharge into the storm drains</i></p>	<p><i>Reaching out to full time City of Yuma residents and commercial facilities over the 5-year program period</i></p>	<p><i>8.5"X11" door hanger, in both English and Spanish, titled "Stormwater Pollution Found in Your Area". The door hanger, that targets residents and commercial facilities, works as a tool to raise the public awareness to protect the stormwater collection system by not dumping motor oil, oil filters, anti-freeze/transmission fluids, paint, cooking grease, pet waste, trash, pesticides and fertilizers, excessive dirt and any non-stormwater substance into a catch basin or stormwater drain or inlet</i></p>	<p><i>All City residents and commercial facilities</i></p>	<p><i>20% annual distribution- 10,000 residents per year</i></p>	<p><i>50% decrease in illicit discharge into storm drains</i></p>
<p><i>Local PSAs Local PSAs for Stormwater Pollution Prevention</i></p>	<p><i>Inform the general public about stormwater pollution prevention methods & issues via cable television</i></p>	<p><i>IDDE Illicit Discharge Detection and Elimination Program</i></p>	<p><i>City residents with access to local TV</i></p>	<p><i>15-20% of permanent City residents</i></p>	<p><i>Not identified</i></p>



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<i>Article</i> <i>Print media articles</i>	<i>Produce and print stormwater pollution prevention educational message in local newspaper.</i>	<i>Pollution Prevention</i> <i>Storm water pollution prevention</i>	<i>All City residents- English and Spanish speaking</i>	<i>15-20% of permanent City residents</i>	<i>Not identified</i>
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D-2. DESCRIPTION OF CHANGES IN IDENTIFIED BMPS OR MEASUREABLE GOALS (8.1.3 and 8.4(I))

Have there been any modifications to BMPS during this reporting period: Yes No.
 If yes, provide a brief explanation of each modification below (Add Rows as Necessary).

ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input type="checkbox"/> Yes	No		
<input type="checkbox"/> Yes	No		
<input type="checkbox"/> Yes	No		
<input type="checkbox"/> Yes	No		

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D-3. PUBLIC EDUCATION AND OUTREACH (6.4.1) Provide a summary of activities planned for the next reporting period in the following table			
Best Management Practice	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>Same as above</i>			

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A. MCM-2: PUBLIC INVOLVEMENT AND PARTICIPATION (6.4.2 and 8.1.2)					
E-1. Provide a Summary of Public Involvement and Participation BMPs Implemented During the Reporting Period in the Following Table					
Best Management Practice	Measurable Goal (steps to measure progress)	Theme or Message	Target Audience	Percent of Target Audience Reached	Summary of Results and Effectiveness (8.1.2)
<i>Make the public aware of new ordinances and allow the public to participate in adopting ordinances that affect the implementation of the SWMP.</i>	<i>Continue compliance with public notice requirements throughout the permit period, documenting public meetings, notices provided and comments or input received, reporting in an annual summary of activities to ADEQ.</i>	<i>Pollution Prevention</i>	<i>General public with emphasis on the development community</i>	<i>More than 75%</i>	<i>All development community in Yuma are aware of stormwater requirements at State and Local levels</i>
<i>Conduct annual stormwater collection system cleanup program at the Priority Area</i>	<i>Cleanup all stormwater manholes and catch basin with hydraulic connection to the River</i>	<i>Pollution Prevention</i>	<i>All City residents</i>	<i>All developers and residents within the Priority Area</i>	<i>Cleaner stormwater at River outfalls</i>
<i>Update City Council on stormwater pollution</i>	<i>Make the legislative body of City aware of stormwater compliance and water quality issues</i>	<i>Pollution Prevention</i>	<i>City Council and audience</i>	<i>All city council members</i>	<i>Most city council are aware of stormwater pollution</i>



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<i>Webpage</i> Update the public with the latest revision of the SWMP on the webpage	Provide useful information to the public regarding the stormwater program in the latest revisions to the SWMP via the City of Yuma website: https://www.yumaaz.gov/city-engineering/engineering-documents--references-.html	Stormwater Codes, Construction, IDDE, Pollution Prevention	Local Development Community	Development within City that disturbs one or more acres	33% decrease in the stormwater infrastructure pollution at construction sites
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E-2. Description of Changes to BMPs and Measurable Goals (8.1.3 and 8.4(l))			
a) Have there been any modifications to BMPs during this reporting period: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. If yes, complete Section b, below (Add Rows as Necessary).			
b) <i>Conduct public invitation for cleaning of stormwater collection system</i>			
ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input checked="" type="checkbox"/> Yes	<i>Cleaning of the stormwater collection system.</i>	--	<i>Benefit to the whole community by improving stormwater quality and flood control protection</i>
<input type="checkbox"/> Yes			

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E-3. PUBLIC EDUCATION AND OUTREACH (6.4.1) Provide a Summary of Activities Planned for the Next Reporting Period in the Following Table			
Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>Same as above</i>			

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F. MCM-3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM (6.4.3 and 8.1.2)					
F-1. Provide a Summary of Illicit Discharge Detection and Elimination BMPs Implemented During the Reporting Period in the Following Table					
Best Management Practice	Measurable Goal (steps to measure progress)	Completed (Yes or No)	Date of Implementation	Percent of Target Audience Reached	Summary of Results and Effectiveness (8.1.2)
<i>Implement IDDE Program</i>	<i>Improve existing IDDE regulation to empower the City to take appropriate action to detect and eliminate illicit discharges and to address illegal dumping into the MS4 in a timely manner. Program to be part of the SWMP</i>	<i>No</i>	<i>July 2018</i>	<i>None</i>	<i>Expected to decrease illicit discharges from industrial facilities covered under the MSGP program by 100% at the Priority Area</i>
<i>Dry Weather Screening</i>	<i>Determining the possible existence of illicit discharges or illegal dumping activities.</i>	<i>Yes</i>	<i>May 2004</i>	<i>Industrial facilities with MSGP coverage and residential areas with historic illicit discharges into the MS4</i>	<i>Expected to decrease illicit discharges from industrial facilities covered under the MSGP program by 100% at the Priority Area</i>
<i>Stormwater Sewer Mapping</i>	<i>Develop and maintain stormwater system mapping with outfalls and waters of the US to identify illicit discharges and illegal dumping to the MS4 and waters of the US</i>	<i>Yes</i>	<i>Since 1999 and being updated per CIP projects and City growth</i>	<i>All development community in the City and industrial facilities within the Priority Area</i>	<i>Expected to decrease discharges from construction activities, post-construction activities, developed sites and industrial facilities covered under the MSGP program</i>

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					<i>by 100% at the Priority Area</i>
<i>Analytical Monitoring</i>	<i>Developed Analytical Monitoring Plan (AMP) to prevent and reduce introduction of pollutants that exceed selenium limits set by the latest 303(d) list. AMP has wet and dry weather components</i>	<i>Yes</i>	<i>July 2017</i>	<i>All development community in the City and industrial facilities within the Priority Area</i>	<i>Expected to decrease discharges from construction activities, post-construction activities, developed sites and industrial facilities covered under the MSGP program by 100% at the Priority Area</i>
<i>Analytical Monitoring</i>	<i>Selection of additional monitoring locations upstream of the Madison Ave. outfall to detect and isolate the contaminating source</i>	<i>Yes</i>	<i>December 2018</i>	<i>All development community in the City and industrial facilities within the selected watersheds</i>	<i>With the selection of the sampling locations, additional tests will be performed for the selenium and hardness on and after the next storm event.</i>
<i>Implement IDDE Program Implement additional testing locations upstream of the Madison Ave Outfall</i>	<i>Selection of additional test locations upstream of the Madison Ave outfall to isolate and detect the contaminating source area(s)</i>	<i>Yes</i>	<i>December 2018</i>	<i>All development community in the City and industrial facilities within the selected watersheds</i>	<i>With the selection of the additional sampling locations, testing will be performed for Selenium and hardness after future storm events in order to isolate the source of the contamination</i>



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F-2. DESCRIPTION OF CHANGES IN IDENTIFIED BMPs OR MEASUREABLE GOALS (8.1.3 and 8.4(l))			
BMP modifications: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. If yes, provide a brief explanation of each modification below (Add Rows as Necessary).			
ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			

F-3. IDDE Staff Training (6.4.3.10)			
Frequency of Training	Date of Training Event	Training Subject	Number of Employees Trained
<i>Semi Annual</i>	<i>April-June 2018</i>	<i>Update Building Safety, Code Enforcement and Inspection Staff on current City stormwater regulations and implementation</i>	<i>40</i>

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F-4. Illicit Discharge Identification and Response (6.4.3.5)							
Date of Discovery	Method of Discovery	Type of Pollutants	Source	Estimated Duration of Illicit Discharge	Estimated Quantity	Date of Elimination	Escalated Enforcement Action Required?
7/13/2017	Phone Call	Discharging swimming pool water	Residence at 24 th Street and E 7 th Ave	1 hour	>500 gallons	7/13/2017	No
8/25/2017	Phone Call/Email	Concrete truck washing in empty lot	1 st Ave and 17 th Street	1 hour	1-2 cubic feet	8/27/2017	No
12/7/2017	Phone Call/Email	Exposure of MS4 to construction-related pollution	Active construction at the intersection of 14 th Ave and 16th Street, Yuma	3 days	Not applicable	12/10/2017	No
4/28/2018	Email	Exposure of MS4 to construction-related pollution	Evidence of construction debris	14 days	more than 20 cubic feet	--	No



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F-5. Unpermitted Discharges to MS4 (6.4.3.11)			
Facility Name	Type of Activity	SIC Code	AZPDES Permit Number (if known)
<i>Finished for Priority Area</i>	<i>Industrial MSGP-permitted facilities in the P.A.</i>	--	<i>MSGP 2010</i>

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F-6. Illicit Discharge Detection and Elimination Provide a Summary of Activities Planned for the Next Reporting Period in the Following Table			
Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>New Illicit Discharge Detection and Elimination (IDDE) program</i>	<i>Program to respond and correct violations of the MS4 from Illicit discharges and illegal dumping</i>	<i>The IDDE program includes visual dry and wet weather monitoring, inventory of industrial facilities with MSGP coverage, follow-up screening, escalated response plan and revision of existing IDDE regulation.</i>	<i>IDDE program was completed in July 2018</i>
<i>Enforcement Response Plan (ERP)</i>	<i>Faster and more efficient implementation of all stormwater regulations</i>	<i>Developed and implemented ERP to adequately enforce procedures that satisfy the requirements of this permit to control pollutant discharges into its MS4.</i>	<i>ERP went in full effect by 7/15/2018</i>

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G. MCM-4: CONSTRUCTION ACTIVITY STORMWATER RUNOFF CONTROL (6.4.4 and 8.1.2)				
G-1. Provide a Summary of Construction Activity Stormwater Runoff Control BMPs Implemented During the Reporting Period in the Following Table				
Best Management Practices	Measurable Goal	Date BMP was Implemented	Implementation Status (percent complete, date complete, on-going)	Summary of Results and Effectiveness (8.1.2)
<i>BMPs Erosion/ Sediment Control</i>	<i>Implementation of erosion control ordinance in plan review, inspection and enforcement</i>	<i>October 2006</i>	<i>Completed on April 2007 with regular updating as needed</i>	<i>Better implementation of erosion control measurments in design, construction and inspection</i>
<i>Written Procedures</i>	<i>Technical guidance materials to assist designers in achieving the goals of erosion control from construction sites</i>	<i>October 2006</i>	<i>Completed on April 2007 with regular updating as needed</i>	<i>Better implementation of erosion control measurments in design, construction and inspection</i>
<i>Written Procedures</i>	<i>Complaint-receipt system for involvement of staff, public and implementation of erosion control ordinance from construction sites</i>	<i>October 2006</i>	<i>Updated July 2018</i>	<i>Better implementation of erosion control measurments in design, construction and inspection</i>
<i>Training</i>	<i>Train development community to achieve the goals of erosion control ordinance</i>	<i>October 2006</i>	<i>April 2017</i>	<i>Better implementation of erosion control measurments in design, construction and inspection</i>
<i>New Construction Site Runoff Control Program</i>	<i>Program created to systematically prevent and reduce stormwater runoff from construction sites to the MS4 & Waters of the US. The program includes eight elements as outlined in MCM No. 4 of the SWMP.</i>	<i>July 2018</i>	<i>July 2018</i>	<i>Tangible reduction and elimination of pollutants from construction site stormwater runoff with inspection and enforcement procedures</i>

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<p><i>Written Procedures</i></p>	<p><i>Construction operators are required to implement measures to control waste from construction sites falling under the umbrella of the construction program, as detailed in MCM No. 4 of the SWMP.</i></p>	<p><i>July 2018</i></p>	<p><i>July 2018</i></p>	<p><i>Better implementation and control of pollution prevention from waste produced by construction activities</i></p>
<p><i>Written Procedures</i></p>	<p><i>Construction with the SWPP plans and NOI/NOT are updated in an inventory list by the Civil Engineers reviewing the plans to assist City inspectors and construction operators with implementing and maintaining BMPs during construction to prevent the stormwater pollution</i></p>	<p><i>June 2018</i></p>	<p><i>Ongoing</i></p>	<p><i>Improve monitoring of construction activity with NOI/NOT stormwater pollution prevention from waste produced by construction activities</i></p>



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G-2. Description of Changes in BMPs and Measurable Goals (8.1.3 and 8.4(l))			
BMP modifications: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. If yes, provide a brief explanation of each modification below (Add Rows as Necessary).			
ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			

G-3. Construction Activity Complaints (6.4.4.5 and 8.4(i))	
Number of Complaints Received	Number of Complaint Responses/Resolved
<i>6</i>	<i>6</i>

G-4. Construction Activity Inspections			
Number of Active Construction Sites	Number of Active Construction Sites Inspected	Number of Re-Inspections	Average Inspection Frequency
<i>34</i>	<i>7</i>	<i>1</i>	<i>14 days</i>
Number of Violation		Number of Enforcement Actions	
<i>None</i>		<i>None</i>	

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G-5. Construction Activity Stormwater Runoff Control Provide a Summary of Activities Planned for the Next Reporting Period in the Following Table			
Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>New Enforcement Response Plan (ERP)</i>	<i>Faster and more efficient implementation of all stormwater regulations</i>	<i>Develop ERP to adequately enforce procedures that satisfy the requirements of this permit to control pollutant discharges into its MS4.</i>	<i>ERP went into full effect by 7/15/2018</i>
<i>Review of current construction site runoff control ordinance</i>	<i>Consistency with the ERP</i>	<i>Review existing construction site runoff control ordinance (City Ordinance O2006-38)</i>	<i>Review completed in July 2018-No modification required.</i>

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H. MCM-5: POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT (6.4.5 and 8.1.2)				
H-1. Provide a Summary of Post-Construction Activity Stormwater Runoff Control BMPs Implemented During the Reporting Period in the Following Table				
BMP	Measurable Goal (steps to measure progress)	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))	Summary of Results and Effectiveness (8.1.2)
<i>Runoff Control Assessment</i>	<i>Implementation of post-construction site runoff control ordinance in plan review, inspection and enforcement</i>	<i>Yes</i>	<i>City Ordinance No. O2007-78</i>	<i>Better implementation of post-construction control measurments in design, construction and inspection</i>
<i>Site Plan Reviews</i>	<i>Implementation of post-construction site runoff control ordinance in plan review, inspection and enforcement</i>	<i>Yes</i>	<i>City Ordinance No. O2007-78</i>	<i>Better implementation of post-construction control measurments in design, construction and inspection</i>
<i>Inspections</i>	<i>Implementation of post-construction site runoff control ordinance in plan review, inspection and enforcement</i>	<i>Yes</i>	<i>City Ordinance No. O2007-78</i>	<i>Better implementation of post-construction control measurments in design, construction and inspection</i>
<i>Inventory</i>	<i>Inventory of industrial facilities in the Priority Area</i>	<i>No</i>	<i>SWMP</i>	<i>Prevent unauthorized and polluted discharges from industrial facilities into the MS4</i>



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H-2. Post-Construction Stormwater Management in New Development and Redevelopment (8.4(j))	
Number of Sites Requiring Post-Construction Controls	Number of Post-Construction Stormwater Controls Inspected
Number of Post-Construction Stormwater Control Violations	Number of Post-Construction Stormwater Control Violations Resolved

H-3. Description of Changes in BMPs or Measurable Goals (8.1.3 and 8.4(l))			
BMP modifications: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. If yes, provide a brief explanation of each modification below (Add Rows as Necessary).			
ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			

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H-4. Post-Construction Stormwater Management in New Development and Redevelopment (6.4.1) Provide a Summary of Activities Planned for the Next Reporting Period in the Following Table			
Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>Inventory of industrial facilities in the Priority Area</i>	<i>Prevent unauthorized and polluted discharges from industrial facilities into the MS4</i>	<i>Use ADEQ data base to identify industrial facilities with MSGP coverage in the Priority Area. Assess if such industrial facilities have connection to the MS4 and BMPs to prevent or remove pollutants from the stormwater system</i>	<i>Completed for Priority Area on 9/25/2018</i>

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I. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (6.4.6)			
I-1. Summary of Pollution Prevention and Good Housekeeping BMPs in the Following Table			
Facility Name (Group Facilities as Appropriate)	Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Results and Effectiveness (8.1.2)
<i>Public Works Fleet Shop</i>	<i>SWPPP</i>	<i>Prevent and reduce stormwater runoff from facility</i>	<i>No discharge from the facility to the MS4 or waters of the United States</i>
<i>Figueroa Avenue Water Pollution Control Facility</i>	<i>SWPPP</i>	<i>Prevent and reduce stormwater runoff from facility</i>	<i>No discharge from the facility to the MS4 or waters of the United States</i>
<i>Desert Dunes Water Reclamation Facility</i>	<i>SWPPP</i>	<i>Prevent and reduce stormwater runoff from facility</i>	<i>No discharge from the facility to the MS4 or waters of the United States</i>
<i>Kyla Police Evidence Storage Facility</i>	<i>SWPPP</i>	<i>Prevent and reduce stormwater runoff from facility</i>	<i>No discharge from the facility to the MS4 or waters of the United States</i>
<i>Train City Staff</i>	<i>Training</i>	<i>Train staff to implement BMPs in City-owned industrial facilities</i>	<i>Enhance City implementation of stormwater pollution prevention</i>



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I-2. Description of Changes in BMPs and Measurable Goals (8.1.3 and 8.4(I))			
BMP modifications: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. If yes, provide a brief explanation of each modification below (Add Rows as Necessary).			
ADEQ Directed (8.1.4)	BMP Modified	Analysis of Why BMP Was Ineffective or Infeasible	Analysis of Why BMP is Expected to Achieve Goals
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			
<input type="checkbox"/> Yes			

I-3.	Updates to Operation and Maintenance Programs (6.4.6 (a-g))
	<p style="color: blue;"><i>Evaluate street sweeping practices and schedule to determine effectiveness in addressing public street runoff impacts on stormwater quality in MS4.</i></p> <p style="color: blue;"><i>Evaluate parks and recreation department maintenance program practices and schedule to increase effectiveness in addressing public stormwater quality in City parks.</i></p>

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I-4. Pollution Prevention and Good Housekeeping for Municipal Operations Provide a Summary of Activities Planned for the Next Reporting Period in the Following Table			
Best Management Practices	Measurable Goal (steps to measure progress)	Summary of Planned Activities	Proposed Schedule
<i>Street Sweeping</i>	<i>Prevent and reduce stormwater pollutants from municipal operations</i>	<i>Review street standard maintenance and operation procedure, SOP and other regulations</i>	<i>September 2018</i>
<i>Parks and Recreation</i>	<i>Prevent and reduce stormwater pollutants from parks regular maintenance operations</i>	<i>Review street standard maintenance and operation procedures, SOP and other regulations</i>	<i>September 2018</i>
<i>City industrial facilities: Figueroa, Desert Dunes, Public Works Fleet Shop, Kyla PD Storage and Desert Hills Golf Course Maintenance facility</i>	<i>Prevent and reduce stormwater pollutants from parks regular maintenance operations</i>	<i>Review SWPPPsm standard maintenance and operation procedures, SOP and other regulations</i>	<i>September 2018</i>

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J. Receiving Waters and Monitoring (7.0)					
Name of Receiving Water Included in Appendix B	Number of Outfalls	Receiving Water Listed as Impaired, Not-Attaining and/or OAW	Listed Pollutants	TMDL	Analytical Monitoring Conducted this Reporting Year?
<i>Colorado River</i>	<i>4</i>	<i>Yes</i>	<i>Selenium and Dissolved Oxygen</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Receiving Water	How many outfalls will be sampled?	List parameter(s) to be analyzed	Provide a description of selected BMPs and how they will specifically address the pollutant(s) causing the impairments or how the BMPS will be protective of the OAW
<i>Colorado River</i>	<i>4</i>	<i>Selenium and Dissolved Oxygen</i>	<ul style="list-style-type: none"> <i>1- BMP No. 1: Creation of Priority Area (P.A.) that discharges into the impaired segment</i> <i>2- BMP No. 2: More stringent plan review and inspection of SWPPPs into the P.A.</i> <i>3- BMP No. 3: More stringent requirements for post-construction runoff in the P.A.</i> <i>4- BMP No. 4: Educational materials for stormwater pollution to development community and industrial facilities</i> <i>5- Implementation of analytical monitoring plan for testing of selenium and D.O. at outfalls.</i>



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Certification

The annual report must be signed by either a principal executive officer or ranking elected official, or by a duly authorized representative (refer to Permit Part 9.9(a)).

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

Signature

September 25, 2018; Revised January 14, 2019

Jeffrey A. Kramer, P.E.

Name (printed)

City Engineer

Title