INSTRUCTIONS FOR REVIEW OF SWPPP CONTENT FORM FOR CITY OF MESA CONSTRUCTION PROJECTS

The Review of SWPPP Content Form (Form) has been developed for use by the City of Mesa (City) and is to be used by city contractors selected to perform construction activities at City projects. It applies to any project that will disturb one or more acres of land, or will disturb less than one acre, but is part of a common plan of development or sale that will ultimately disturb one acre or more. A common plan of development is defined as a contiguous area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one plan.

The Form is designed to establish a consistent format for SWPPPs prepared for City projects and to ensure the SWPPPs generally meet all the requirements established in the Construction General Permit as issued by the Arizona Department of Environmental Quality's (ADEQ) dated March 27, 2020 and effective July 1, 2020 (Permit No. AZG2020-001), herein referred to as the CGP, and provides reference to the applicable section(s) of that permit where applicable. The Form generally follows the outline provided in ADEQ's 2020 Construction General Permit (SWPPP) Checklist which is intended to be used by permittees when developing their SWPPP and will be used by the City for evaluating the contractors' SWPPP submittal. Contractors are to ensure that all required information in the CGP is included in the SWPPP and in an appropriate section of the SWPPP even if that information is not included on the Form.

The SWPPP will not be approved and authorization to proceed with construction activities as defined in the CGP will not be granted until all items in the Form have been marked as being adequately addressed in the SWPPPs [i.e. "Yes" or "N/A" (not applicable to the project)]. Items not adequately addressed (marked "No") must be addressed by the contractor prior to approval. Comments are provided at the end of the Form for each item marked as "No" so the contractor will know exactly what information is required in order to revise the SWPPP and expedite the approval process. If the contractor determines that an item on the Form does not apply to the project and a checkbox for N/A is provided for that item, the contractor must provide a statement as to why that item does not apply to the project in the SWPPP. Failure to provide such a statement will result in "No" response by the City and the SWPPP will not be approved.

The City requires the submittal of and electronic version of the SWPPP for review the City's Engineering Department's CIP Mesa Electronic Submittal Process. The City requires a review period of fourteen (14) calendar days to conduct each review. Please be advised that it has been the City's experience that SWPPPs submitted for review rarely pass the first review, and as such using the Form is in the interest of the contractor and City to ensure submitted SWPPPs are complete and accurate and can be approved as soon as possible.

In the event that the project is located within ¼ mile of an impaired water or Outstanding Arizona Water (OAW), the City will not conduct a review of the SWPPP. Instead, documentation of approval of the SWPPP from the ADEQ will be required, and the documentation will be included the SWPPP and must be submitted to the City prior to the start of construction activities.

Contractors must maintain at least one (1) hard copy of the final approved SWPPP onsite at all times unless the status of construction changes from active to inactive and unstaffed and is so noted in the SWPPP. Modifications to the SWPPP to meet site conditions do not need to be reviewed or approved by the City; however, removing control measures from the approved SWPPP or not implementing such control measures where necessary may result in an

enforcement action by the City if the construction activities are determined to be in non-compliance with Title 8, Chapter 5 of the Mesa City Code (i.e. Storm Water Pollution Control).

The City has adopted the Flood Control District of Maricopa County's (FCDMC) *Drainage Design Manual for Maricopa County – Erosion Control* dated November 2012 and associated City amendments through ordinance as provided in the City's *"Environmental Requirements for Construction Activities in the City of Mesa"* manual which is available along with a copy of this Form, the 2012 FCDMC drainage and design manual, and other environmental related construction requirements on the City's website and the web address below. The Form is available in a working format with fillable fields on this website.

Environmental Requirements for Construction Activities webpage: http://mesaaz.gov/business/environmental-requirements-for-construction-activities.

The contractor must select appropriate control measures (otherwise known as best management practices, or BMPs) that are provided in the FCDMC's manual or otherwise provided in the City's Environmental Requirements for Construction Activities in the City of Mesa manual and provide the specifications for those BMPs selected and incorporated at the site as part of the SWPPP. Site maps must include reference to these BMPs where applicable. Where neither manual provides a BMP that satisfies a particular item in this Form, the contractor will select an adequate BMP that meets industry standards and for structural control measures that is installed in compliance with manufacturer's instructions.

The City strongly recommends that contractors engage the services of an environmental consultant that has a thorough understanding of CGP requirements for assistance in developing the SWPPP, and potentially conducting inspections and addressing other compliance issues, unless the contractor has specific qualified personnel dedicated solely to these types of activities. Persons preparing the SWPPP are encouraged to contact the City's Environmental & Sustainability Division with any questions regarding the Form or the applicability of certain items with respect to the project through either email (environ.info@mesaaz.gov) or phone (480-644-3599).

The format of the SWPPP will be as follow and as provided on the Form. Any SWPPP that is not submitted in the following format will not be reviewed or approved.

Tab 1 – SWPPP Contents

Tab 2 – Sequence and Estimated Dates of Construction Activities

Tab 3 – Site Description

Tab 4 – Site Maps

Tab 5 – Stormwater Control Measures

Tab 6 – Summary of Potential Pollutant Sources

Tab 7 – Use of Treatment Chemicals

Tab 8 – Pollution Prevention Procedures

Tab 9 – Inspections

Tab 10 – Monitoring

Tab 11 – Corrective Actions

Tab 12 – Documentation and Reporting Requirements

Tab 13 – Other Information

REVIEW OF SWPPP CONTENT FORM FOR CITY OF MESA CONSTRUCTION PROJECTS

Pro	ject Information				
Pro	ject Name:				
Pro	ject Number:				
Loc	cation/ Address:				
Coi	ntractor Information mpany: nt of Contact:	Phone:			
1 01	nt or contact.	1 Hone.			
		City of Mesa Personnel Only			
Pla	n Reviewed By:	Phone:			
Dat	te of Review:	Status:	Not A	Appro	ved
SW	/PPP Format		Yes	<u>No</u>	N/A
1.	The SWPPP format	is provided in accordance with this form.			
Not		nat does not substantially follow the form's format, the review will not ave to be resubmitted.	be com	pleted	d and
Tal	o 1 SWPPP Content	s	Yes	No	N/A
2.		signed and certified the SWPPP [6.1(3)].			
3.	Provide name, title, copy of any training	contact information and a description of the qualifications and a certificates of each operator, or group of operators, including as the areas and phases over which each operator has control			
4.	area expected to be	of construction activities, including the size of the property, the total disturbed by the construction activities, the construction supported by this permit and the maximum area expected to be disturbed at].			
5.		that the Contractor has read, understands, and agrees to the y of Mesa Storm Water Pollution Prevention Plan Co-Permittee ility Statement			
6.	Include a copy of the Operator Responsib	e City of Mesa Storm Water Pollution Prevention Plan Co-Permittee ility Statement			
Note: The City will provide a signed copy of the City of Mesa Storm Water Pollution Prevention Plan Co-Permittee Operator Responsibility Statement once the plan has been reviewed and approved by the City.					

Tab 2 Sequence and Estimated Dates of Construction Activities		Yes	No	N/A
7.	Provide a description of the intended sequence for the installation of stormwater control measures [6.3(3)(a)].			
8.	Provide a description of the intended sequence for the commencement and duration of construction activities [(6.3(3)(b)].			
9.	Provide a description of the intended sequence for any known or anticipated periods of cessation of construction activities (temporarily or permanently) on the site or in designated portions of the site including the beginning and ending dates of inactive/unstaffed status, when applicable [6.3(3)(c)].			
10.	Provide a description of the intended sequence for final or temporary stabilization of areas of exposed soil. The dates for stabilization must reflect the applicable deadlines [6.3(3)(d)].			
11.	Provide a description of the intended sequence for removal of temporary stormwater conveyances / channels and other stormwater control measures, removal of construction equipment and vehicles, and cessation of any pollutant-generating activities [6.3(3)(e)].			
Tal	3 Site Description	Yes	No	N/A
	Describe the site and its intended use after the Notice of Termination is filed (e.g. low density residential, shopping mall, highway, etc.) [6.3(4)(a)].			1477
13.	Provide the total area of the site and an estimate of the total area of the site expected to be disturbed by construction activities [6.3(4)(b)].			
14.	Provide the percentage of the site that is impervious (e.g., paved, roofed, etc.) before and after construction $[6.3(4)(c)]$.			
15.	Describe site soils including potential for erosion [6.3(4)(d)].			
16.	 Provide a statement for one of the following regarding buffers [6.3(4)(e)]: The project does not require buffers (i.e. earth disturbance will not be within 50 feet of a perennial water, including lakes or the project is exempt) [3.3(7)(a); 3.3(7)(c)] A 50 foot buffer will be applied [3.3(7)(a)] It is infeasible to maintain a 50 foot buffer and describe selected alternative(s) [3.3(7)(c)]. 			
17.	Identify and describe all material storage areas (including on-site and offsite overburden and stockpiles of dirt, borrow areas, etc.) [6.3(4)(f)].			
18.	Provide a general location map (e.g., a portion of an USGS quadrangle map, a city or county map or other map) – with enough detail to identify the location of the construction site and one mile radius and the waters of the U.S. including tributaries within a one mile radius of the site $[6.3(4)(g)]$.			
Tab 4 Site Maps			No	N/A
	Include the topography of the site, existing types of cover (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of flow onto, over, and from the site property before and after major grading activities [6.3(5)(a)].	Yes		
20.	Include drainage divides and direction of stormwater flow (i.e., use arrows to show which way stormwater will flow) [6.3(5)(b)].			

Tal	o 4 Site Maps	<u>Yes</u>	<u>No</u>	N/A
21. Include:				
	(a) Areas of soil disturbance and areas that will not be disturbed [6.3(5)(c)]			
	(b) Boundaries of the property [6.3(5)(c)]			
	(c) Locations where construction activities will occur, noting any phasing of construction activities [6.3(5)(c)(i)]			•
	(d) Locations where sediment or soil will be stockpiled [6.3(5)(c)(ii)]			
	(e) Locations of any crossings of surface waters [6.3(5)(c)(iii)]			
	(f) Designated points on the site where vehicles will exit onto paved roads [6.3(5)(c)(iv)]			
	(g) Locations of construction support activity areas covered by the CGP [6.3(5)(c)(v)]			
22.	Include locations of temporary and permanent stormwater control measures identified in the SWPPP [6.3(5)(d)].			
23.	Include locations where stabilization control measures are expected to be implemented [6.3(5)(e)].			
24.	Include areas protected by buffers, including the boundary line of all such buffers [6.3(5)(f)].			
25.	Include locations of on-site material, waste, borrow areas, or equipment storage areas, and other supporting activities [6.3(5)(g)].			
26.	Include locations of all potential pollutant-generating activities including, but not limited to:			
	(a) Any non-stormwater discharges expected to be associated with the project [6.3(5)(h); 6.3(8)]			
	(b) Any non-stormwater discharges expected to be associated from areas other than construction (e.g., support activities including stormwater discharges from dedicated asphalt or concrete plants, any other non-construction pollutant sources such as fueling and maintenance operations, materials stored on-site, waste piles, or equipment staging yards) [6.3(5)(h); 6.3(8)]			
	(c) Concrete washout; equipment and vehicle washing; washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials; and fueling and maintenance operations [3.5(2); 6.3(5)(h)]			
	(d) Waste disposal; solid waste storage and disposal [3.5(4); 6.3(5)(h)]			
	(e) Dewatering operations [3.6; 6.3(5)(h)]			
27.	Include locations of all surface waters and any impaired waters or OAWs within 1/4 mile of the facility [6.3(5)(i)].			
28.	Include location(s) where stormwater or allowable non-stormwater discharges are discharged to waters of the U.S. and location(s) of any discharges to municipal separate storm sewer systems (MS4s) from the construction site using arrows to indicate discharge direction. Note: Where surface waters and/or MS4s receiving stormwater will not fit on the plan sheet, they shall be identified with an arrow indicating the direction and distance to the surface water and/or MS4 [6.3(5)(j)(i & ii)].			
29.	Include locations and registration numbers of on-site drywells and drywells on adjacent properties that have the potential to receive stormwater from the site $[6.3(5)(k)]$.			
30.	Include the location and boundaries of environmentally sensitive areas and buffer zones to be preserved [6.3(5)(m)].			

		No	Τ
Tab 4 Site Maps			N/A
31. Identify the nearest receiving water(s), including ephemeral and intermittent streams, dry washes, and arroyos. If applicable, the SWPPP shall also identify the areal extent and describe any wetlands near the site that could be disturbed or that could potentially receive discharges from disturbed areas of the project. Indicate if the receiving water is listed as impaired, or an OAW [6.3(6)].			
Note: Updated versions of the SWPPP will include areas where final stabilization has been further construction permit requirements apply [6.3(5)(I)].	n establish	ied an	d no
Tab 5 Stormwater Control Measures	<u>Yes</u>	No	N/A
32. Describe all control measures that will be implemented and maintained as part of the construction project to control pollutants in stormwater and allowable non-stormwater discharges [3.1 – 3.8; 6.3(7)].			
33. Provide erosion and sediment controls for the following:			
(a) Volume and velocity [3.3(3)]			
(b) Peak flow rates and total discharge [3.3(4)]			
(c) To minimize exposed soils and disturbance on steep slopes [3.3(5)]			
(d) To minimize sediment discharges from the site [3.3(6)]			
(e) To maintain natural buffers [3.3(7)]			
(f) To minimize soil compaction [3.3(8)]			
34. Provide for site stabilization			
(a) Temporary stabilization [3.4(1)]			
(b) Final stabilization [3.4(2)]			
(c) Alternative stabilization [3.4(3)]			
35. Provide for pollution prevention			
(a) Minimize the discharge of pollutants (i.e. concrete washout; equipment and vehicl washing; washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials; and fueling and maintenance operations) [3.5(2)]	е 🗆		
(b) From construction site egress [3.5(3)]			
(c) Use good housekeeping [3.5(4)]			
(d) Spill prevention and response [3.5(5)]			
36. Provide for each major activity identified in Part 6.3 of the CGP and the project sequence of activities a description of:			
(a) The control measures, including controls to minimize or eliminate non stormwater discharges [6.3(7)(a)(i)]			
(b) The general sequence during the construction process or schedule that the control	v 🗀		

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[6.3(7)(iii)]

Erosion Control Manual) [6.3(7)(b)].

measures will be implemented [6.3(7)(a)(ii)]

conducting earth-disturbing activities [6.3(7)(c)].

(c) The operator responsible for the implementation of each control measure

38. Describes how sediment controls will be installed and made operational prior to

37. Provide drawings and/or specifications for the structural control measures (see FCDMC

Tab 5 Stormwater Control Measures	<u>Yes</u>	<u>No</u>	N/A
39. Provide for site egress points and document the control measures that are intended to minimize tracking of pollutants from vehicles leaving the site [6.3(7)(d)].			
40. Describe how existing vegetation will be preserved for sites located within 50 feet of a perennial water. If existing vegetation cannot be preserved, describes alternative sediment control measures to be implemented [6.4(10)].			
Note: Updated versions of the SWPPP will provide a written account or other documentation structural control measures, including date(s) of discovery and when repairs were made			
Tab 6 Summary of Potential Pollutant Sources	Yes	<u>No</u>	N/A
41. Identify the location and describe any pollutant sources, including:			
(a) Any non-stormwater discharges expected to be associated with the project [6.3(8)]			
(b) Any non-stormwater discharges expected to be associated from areas other than construction (i.e., support activities including stormwater discharges from dedicated asphalt or concrete plants and any other non-construction pollutant sources such as fueling and maintenance operations, materials stored on-site, waste piles, equipment staging yards, etc.) [6.3(8)]			
42. Provide a statement that the site is not within 1/4 mile of an impaired water, or if it is within ½ mile of an impaired water, identify sources of the pollutants of concern listed on the 303(d) list that may potentially be discharged from the construction site and describe additional or enhanced control measures to minimize discharges of these pollutants [6.3(8)].			
			1
Tab 7 Use of Treatment Chemicals	<u>Yes</u>	<u>No</u>	N/A
43. Provide a statement that treatment chemicals <u>either will or will not</u> be used on the project. If not being used, skip to Tab 8 [6.3(9)].			
44. Provide a justification for the need for such chemicals and an assessment of potential water quality impacts [6.3(9)(a)].			
45. Provide a description of the training specific personnel have or will receive on the use and storage of any cationic treatment chemicals and/or chemical treatment systems at the construction site [6.3(9)(b)].			
46. Provide a listing of all treatment chemicals to be used at the site, a description of how the chemicals will be stored, and why the selection of these chemicals is suited to the soil characteristics of the site [6.3(9)(c)].			
47. Provide the dosage of all treatment chemicals that will be used at the site or the methodology that will be used to determine dosage [6.3(9)(d)].			
48. Provide copies of any applicable Material Safety Data Sheets (MSDS) [6.3(9)(e)].			
49. Provide schematic drawings of any chemically-enhanced stormwater controls or chemical treatment systems to be used for application of the treatment chemicals [6.3(9)(f)].			
50. Provide copies of applicable manufacturer's specifications regarding the use of specific treatment chemicals and/or chemical treatment systems and references to state or local requirements affecting the use of these chemicals [6.3(9)(g)].			

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Tab 8 Pollution Prevention Procedures		<u>No</u>	N/A	
51. Describe procedures to prevent and respond to spills, leaks, and other releases including:				
(a) Procedures for plainly labeling containers [6.3(10)(a)(i)]				
(b) Preventative measures between material storage and traffic areas [6.3(10)(a)(ii)]				
(c) Secondary containment provisions [6.3(10)(a)(ii)]				
(d) Procedures for material storage and handling [6.3(10)(a)(ii)]				
(e) Procedures for responding to releases [6.3(10)(a)(iii)]				
(f) The name or position of the employee(s) responsible for detection and response [6.3(10)(a)(iii)]				
(g) Procedures for notification of appropriate parties when a release occurs [6.3(10)(a)(iv)]				
52. Describe procedures for handling and disposing of wastes generated at the site [6.3(10)(b)].				
		ı	1	
Tab 9 Inspections	<u>Yes</u>	<u>No</u>	N/A	
53. Identify the frequency the site will be inspected (routine, reduced, sensitive water schedule, inactive/unstaffed schedule, other) [4.2; 6.8(2)].				
54. Include a copy of the Inspection Report Form to be used at the site [4.4; 6.8(4)].				
55. Identify personnel responsible for conducting site inspections and inspector qualifications [6.8(1); 6.8(5)].				
56. Identify beginning and end dates of any reduced inspections schedules [6.8(3)].				
Note: Updated versions of the SWPPP will provide a copy of each completed inspection form [6.4(8)].				
Note: Updated versions of the SWPPP will provide information about the change in status if the construction site becomes inactive and unstaffed, including dates and any change to the inspection schedule [6.4(11)].				
Tab 10 Monitoring	Yes	No	N/A	
57. Provide a statement that the project either is or is not within ¼ mile of an impaired water or OAW. If it is not, skip to Tab 11 [1.5(3); 1.5(4); 7.0].	Ш	Ш		
58. Provide a statement that analytical monitoring applies to the project, or provide a justification/rationale as to why analytical monitoring is not necessary. If it is determined not to be necessary, skip to Tab 11 [7.0; 7.1].				
59. Provide a sampling frequency (when will samples be collected) [7.3(1)].				
60. Provide sample locations (where will samples be collected, how many locations, and other pertinent information) [7.3(3)].				
61. Identify in-stream turbidity monitoring procedures and locations for sites adjacent to or discharge directly to an impaired water [7.3(3)(a)].				
62. Provide site specific sampling proposal if the site discharges to a lake that is listed as impaired or OAW [7.3(3)(b)].				
63. Provide monitoring parameters (what will samples be tested for; turbidity, metals, pesticides, other) [7.3(4)].				

Tab 10 Monitoring			N/A	
64. Provide a Sampling and Analyses Plan (SAP) that identifies and ensures personnel are trained and includes written procedures for sample collection, preservation, tracking (chain-of-custody procedures), handling, and equipment maintenance and calibration [7.3(5)].				
Tab 11 Corrective Actions	Yes	No	N/A	
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65. Provide a statement that updates to the SWPPP, as necessary, will be provided in response to corrective action triggers [5.1; 5.2; 6.4(9)].				
66. Provide a statement that a summary of corrective actions taken or to be taken in response to a corrective action trigger will be included in the SWPPP [5.3(2)(a)].				
67. Provide a statement that the SWPPP will be modified in response to a corrective action [5.3(2)(b)].				
68. Provide a statement that the SWPPP will identify dates when corrective actions are initiated or to be initiated [5.3(2)(c)].				
69. Provide a statement that the SWPPP will identify dates when corrective actions are completed or expected to be completed [5.3(2)(d)].				
Note: Updated versions of the SWPPP will include copies of corrective action reports [5.3].				
Tab 12 Documentation and Reporting Requirements	Yes	<u>No</u>	N/A	
70. Include a copy of the CGP [6.4(1)].				
71. Includes copies of NOIs submitted to ADEQ, including any correspondence related to coverage under this permit [6.4(2)].				
72. Include copies of Authorization Certificates or Waivers from ADEQ [6.4(3)].				
73. Identify any MS4 that receives a copy of the Authorization Certificate [6.4(4)]				
74. Include dust control permits and plans, and copies of any other environmental agreements with other local, state, or federal agencies (e.g. 404 permits and grading permits) [6.4(5)].				
75. Provide a listing and description of permanent, post-construction stormwater management control measures that will be installed during the construction process to control pollutants in stormwater discharges after construction activities are complete [6.4(13)].				
Note: Updated versions of the SWPPP will provide descriptions and dates of any incidences of significant spills, leaks, or other releases [6.4(6)].				
Note: The City will provide a copy of its NOI and Certificate of Authorization to the Contractor and other MS4 operators after the SWPPP has been approved.				
Tab 13 Other Information				
Contractor to include any additional information they believe is necessary in order to meet the requirements of the CGP.				

Comments (***City of Mesa Personnel Only***):