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Annual Report

Number	Permit Section	Question
1	S5.A.3	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.3) Saved Document Name: Year nine SWMP update 2017_1_03282018024102
2	S9.D.5	Attach a map and copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.5. Not Applicable
3	S5.A.4.a.ii	Tracked the estimated costs of implementation of each component of the SWMP. (S5.A.4.a.ii) Yes
4	S5.A.5.b	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b) Yes
5	S5.B.1.a and b	Attach description of public education and outreach programs and stewardship activities conducted per S5.B.1.a and b. Saved Document Name: Education and Outreach - City _5_03282018025118
6	S5.B.2.a	Describe the opportunities created for the public to participate in the decision making processes involving the development, implementation and updates of the Permittee's SWMP. (S5.B.2.a) Saved Document Name: Public Participation - City of _6_03282018025412
7	S5.B.2.b	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.B.2.b) Yes
7b	S5.B.2.b	List the website address. https://www.go2kennewick.com/334/Stormwater
8	S5.B.3.a	Maintained a map of the MS4 that includes the requirements listed in S5.B.3.a. Yes
9	S5.B.3.b.vi	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.B.3.b. (S5.B.3.b.vi) Yes
10	S5.B.3.b.vii	Updated, if necessary, the regulatory mechanism to effectively prohibit illicit discharges into the MS4 per S5.B.3.b.vii. (Required, if applicable, no later than February 2, 2019) Yes
11	S5.B.3.c	

Number	Permit Section	Question
		Implemented procedures for conducting illicit discharge investigations in accordance with S5.B.3.c. Yes
12	S5.B.3.c.iii	Percentage of MS4 coverage area screened in reporting year per S5.C.3.c.i. (Required to screen 40% of MS4 no later than December 31, 2018 and 12% on average each year thereafter, S5.B.3.c.iii) 44
13	S5.B.3.c.iv	Publicized a hotline telephone number for public reporting of spills and other illicit discharges. (S5.B.3.c.iv) Yes
13b	S5.B.3.c.iv	List the hotline number. 509-585-4419
14	S5.B.3.c.v	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.B.3.c.v. Yes
15	S5.B.3.c.vi	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. (S5.B.3.c.vi) Yes
15b	S5.B.3.c.vi	Describe actions. Our strategy for education and outreach for Illicit Discharge Detection and Elimination includes, handouts, web-site links, storm drain stenciling. We comment on proposed construction projects and meet directly with the contractors prior to construction to review IDDE. We also present this material to the all members of the community at the Benton County Fair, and Home and Garden Show. We provide messaging in the classrooms through our partnered program with the Franklin Conservation District.
16	S5.B.3.d	Number of illicit discharges, including illicit connections, eliminated during the reporting period. (S5.B.3.d) 2
17	S5.B.3.d.iv	Attach a summary of actions taken to characterize, trace and eliminate each illicit discharge found by or reported to the permittee. For each illicit discharge, include a description of actions according to required timelines per S5.B.3.d.iv. Saved Document Name: IDDE Summary for 2017_17_03282018031802
18	S5.B.3.e	Implemented an ongoing illicit discharge training program for all staff responsible for implementing the procedures and program, as described in S5.B.3.e. Yes
19	S5.B.4.a	Implemented an ordinance or other regulatory mechanism and enforcement procedures for construction site stormwater runoff control as described in S5.B.4.a. Yes
20	S5.B.4.b	Reviewed Stormwater Site Plans, including construction SWPPPs for all new development and redevelopment projects. S5.B.4.b. Yes

Number	Permit Section	Question
20b	S5.B.4.b	Number of site plans reviewed during the reporting period. 74
21	S5.B.4.c	Implemented procedures for site inspection and enforcement of construction stormwater pollution control measures. (S5.B.4.c) Yes
21b	S5.B.4.c.iii	Number of permitted construction sites inspected during the reporting period, (S5.B.4.c.iii) 15
22	S5.B.4.c	Number of enforcement actions taken during the reporting period based on construction phase inspections at new development and redevelopment projects. (S5.B.4.c) 8
23	S5.B.4.b.ii and S5.B	Trained the staff involved in permitting, plan review, field inspections and enforcement for construction site runoff control. (S5.B.4.b.ii and S5.B.4.c.ii) Yes
24	S5.B.4.d	Provided information to construction site operators and design professionals about training available on how to comply with the requirements in Appendix 1 and the BMPs in the SWMMEW, or an equivalent document. (S5.B.4.d) Yes
24b	S5.B.4.d	Cite website address, if located on your website. https://www.go2kennewick.com/334/Stormwater
25	S5.B.4.e	The number of construction sites that provided their intent to apply for the "Erosivity Waiver" as described in (S5.B.4.e). 3
26	S5.B.4.e	The number of complaints investigated about sites that have received an "Erosivity Waiver" and describe any enforcement actions taken as a result. (S5.B.4.e) 1
27	S5.B.5.a.	Implemented ordinance or other regulatory mechanism and enforcement procedures as described in S5.B.5.a. Yes
28	S5.B.5.a.ii(a)	Allowed non-structural preventive actions and source reduction approaches such as Low Impact Development techniques to be used. (Required no later than December 31, 2017, S5.B.5.a.ii(a)) Yes
29	S5.B.5.a.ii(b)(2)	Required projects approved under S5.B.5 to retain runoff generate on-site for, at a minimum, the 10-year, 24-hour rainfall event or a local equivalent, using either on-site or regional stormwater facilities. (Required no later than December 31, 2017, S5.B.5.a.ii(b)(2)) Yes
31	S5.B.5.b	Implemented procedures for post-construction site plan review. (S5.B.5.b) Yes

Number	Permit Section	Question
32	S5.B.5.c.ii	Inspected post-construction stormwater controls, including structural BMPs, during installation at new development and redevelopment projects. (S5.B.5.c.ii) Yes
32b	S5.B.5.c.ii	Number of sites inspected during the reporting period. (S5.B.5.c.ii) 92
33	S5.B.5.c	Number of enforcement actions taken during the reporting period? (S5.B.5.c) 27
34	S5.B.5.c.iii	Inspected structural BMPs at least once every five years after final installation. (S5.B.5.c.iii) Yes
34b	S5.B.5.c.iii	Number of BMPs inspected during the reporting period. (S5.B.5.c.iii) 706
35	S5.B.5.d	Trained the staff involved in permitting, plan review, inspection and enforcement for post-construction stormwater control. (S5.B.5.d) Yes
36	S5.B.6.a	Reviewed and, if needed, updated Operations and Maintenance Plan. (Required no later than August 1, 2017, S5.B.6.a). Yes
37	S5.B.6.a	Implemented the schedule of Operation and Maintenance activities for municipal operations. (S5.B.6.a) Yes
38	S5.B.6.a.i (f) and (g)	Have NPDES permit coverage for all applicable Permittee construction projects and industrial facilities. (S5.B.6.a.i (f) and (g)) Yes
39	S5.B.6.a.ii (a)	Inspected stormwater treatment and flow control facilities (except catch basins) owned or operated by the Permittee at least once every two years. (S5.B.6.a.ii (a)) Yes
39b	S5.B.6.a.ii (a)	Number of facilities inspected during the reporting period. (S5.B.6.a.ii (a)) 1897
41	S5.B.6.a.ii (b)	If used an alternative to standard schedule for catch basin inspections for all or a portion of the MS4, attach description of the method used. (S5.B.6.a.ii(b)) Not Applicable
42	S5.B.6.a.ii (c)	Conducted spot checks of stormwater facilities after major storms. (S5.B.6.a.ii (c)) Yes
43	S5.B.6.b	Trained the staff with primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. (S5.B.6.b) Yes

Number	Permit Section	Question
44	S7.A	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A) Not Applicable
45	S7.A	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A) Not Applicable
46	S8.A	Attach a description of any stormwater monitoring or stormwater-related studies as described in S8.A. Not Applicable
47	S8.B	Participated in the regional group to select, develop and conduct effectiveness studies as described in S8.B. Yes
48	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3) Not Applicable
49	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. Not Applicable
50	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20) Not Applicable
52	S4.F.3.d	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d) Not Applicable

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
View		2017 Benton Franklin Fair Schedule	.pdf	670453	1618373	wqwebportal
View	WAR046005_5_03282018025118	Education and Outreach - City_5_03282018025118	.pdf	670408	1618373	wqwebportal
View		Effectiveness Studies Matrix	.pdf	670451	1618373	wqwebportal
View		Fair Booth 2017	.jpg	670454	1618373	wqwebportal
View		Home and Garden Show	.pdf	670452	1618373	wqwebportal
View	WAR046005_17_03282018031802	IDDE Summary for 2017_17_03282018031802	.pdf	670429	1618373	wqwebportal
View	WAR046005_6_03282018025412	Public Participation - City of_6_03282018025412	.pdf	670413	1618373	wqwebportal
View		Quad Cities Student Outreach	.pdf	670455	1618373	wqwebportal
View	WAR046005_1_03282018024102	Year nine SWMP update 2017_1_03282018024102	.pdf	670404	1618373	wqwebportal



CITY OF KENNEWICK
STORM WATER MANAGEMENT PLAN
ANNUAL UPDATE FOR SWMP COMPONENTS
And
S9. REPORTING AND RECORDKEEPING
For
REPORTING PERIOD 1/1/17 to 12/31/17

S5.B.1. Public Education & Outreach

Initial public comment was sought at a series of public informational meetings held in early 2010. The City continues to solicit public input via the comment section of our bi-monthly utility billings and through bi monthly City Council meetings. In 2017 the City revised its web site with improved access to links for the City's Comprehensive Storm Water Management Plan, the Benton County Health Department, Benton County Solid Waste, the Department of Ecology's new web site, Washington Stormwater Center, the United States Environmental Protection Agency, Waste Management-Kennewick, CESCL Training, the Washington State Department of Health and for spill and illicit discharge reporting. The City continues to partner with neighboring communities to distribute storm water informational brochures and engage with targeted audiences through specific and more general public venues. The City's target audiences for storm water education and outreach is as follows:

- Development community
- Home builders
- General contractors
- Local engineering firms
- The general public
- School age children

The strategy for education and outreach includes mailings, handouts, web-site links, storm drain stenciling and an annual seminar coordinated by the local agencies, Department of Ecology and the Home Builders Association (Optional BMP's 2B, 2C, 2D, 2I, 2J). We reach these audiences through events and the Benton County Fair, Home and Garden Show and direct contact in the classrooms through our partnered program With the Franklin Conservation District (see Annex A) as well as direct contact with developers and engineers at Developer forums hosted by the Public Works Director and specific project related meetings. In 2017 the Conservation District introduced the Drain Rangers and Junior Drain Rangers Program for our school age children.

S5.B.2. Public Involvement & Participation

The City continues to partner with adjacent agencies to conduct informational meetings for the public and other stakeholders about the storm water permits and how they affect the communities. The four cities team with the Franklin Conservation District to develop an informational booth at the regional Home and Garden Show, as well as the regional Benton

Franklin Fair and Rodeo, providing informational fliers, visual examples of do's and don'ts as well as addressing a wide variety of public and contractor questions. Please review the results of our educational partnership on Attachment B. The City continues to utilize its existing venues for public input, including, the comment section of the monthly utility bill, a PWINFO e-mail link, the City Web page, directly to City staff or to any of the bi monthly City Council meetings. The City's program for public input is effective at bring all forms of comment forward. Public hearings have been held for the implementation of a storm water utility, the requirement for grading permits, illicit discharge detection and elimination, erosion and sediment controls for construction sites, and post-construction storm water management for new development and re-development.

S5.B.3. Illicit Discharge Detection & Elimination

In 2017, the City received notice and responded to five spills consisting of fire flow and fuel, construction materials, house paint, and an appliance left on the street. The fire department reported that about 3,000 gallons of fuel was used to extinguish a burning car. This water and an unknown amount of fuel or other auto mobile related material entered a City Drywell. The paint dumping was a repeat offender. They received a certified letter of violation stating the offence and warning of City and State fines for future offences. Both of these incidents are outside of the Wellhead Protection Area and greater than 70 feet to ground water. The other items were cleaned up by City crews. No perpetrators were identified for them.

In August 18, 2009 City Council adopted ordinance 5272 regarding illicit discharge detection and elimination. In the fall of 2012, the City revised its IDDE Manual and continues to follow its procedures. The City's Storm Water web page has a link for the reporting spills and illicit discharges. IDDE training course for maintenance personnel were held in May and October of 2014.

The City maintains a City wide map of the MS4, which is updated on an ongoing basis. The City has completed a program for the application of "Only Rain in the Drain" markings for all catch basins within our wellhead protection area. The markings are a highly durable hot melt application with excellent visibility characteristics.

In addition to the overflow/ discharge points associated with the local irrigation districts, the City has 3 outfalls to the Columbia River and 3 to a US Army Corp of Engineers storm water management pond. There are no reported illicit discharges through these outfalls.

S5.B.4. Construction Site Storm Water Runoff Control

Information concerning the construction storm water general permit and a link to CESCL training are posted on the City's Storm Water web page. A handout with information on training for erosion and sediment control installation and maintenance is available at the Public Works Department front counter. The City adopted and follows the Stormwater Management Manual for Eastern Washington. The City has reviewed the Eastern Washington Erosion and Sediment Control Field Guild and allows its use. The City has six Certified Erosion Sediment Control Leads. Erosion and sediment control plans for private and commercial projects are reviewed prior to construction.

At the February 16, 2010 City Council meeting, Council adopted Ordinance 5290 amending the Kennewick Municipal Code to require construction site storm water runoff controls.

The Building Department and Public Works Department has integrating a pre-construction meeting into the project permitting process for private and commercial projects in order to

set the conditions for better compliance throughout the construction period. The most recent construction inspection training and coordination meeting took place in September of 2016.

S5.B.5. Post Construction Storm Water Management for New Development and Redevelopment

Developers are required, by the City Standard Specifications, to retain and dispose of a 10-year, 24-hour storm on-site. Private connections to our MS4 are not allowed. The current City of Kennewick Comprehensive Storm Water Management Plan is posted on the City's Storm Water web page. The City adopted and follows the Stormwater Management Manual for Eastern Washington.

At the February 16, 2010 City Council meeting, Council adopted Ordinance 5290 amending the Kennewick Municipal Code to include the requirements of the City Standard Specifications for post-construction storm water management for new development and redevelopment.

S5.B.6. Pollution Prevention & Good Housekeeping for Municipal Operations

The City of Kennewick coordinated with numerous Eastern Washington agencies for the development of an Operations and Maintenance Guidance Template. The City revised its O&M plan in the fall of 2012. The City maintains Stormwater Pollution Prevention Plans for two facilities. The City operates a decant facility permitted through the health department. This facility and the City's Inert landfill are overseen by a certified Manager of Landfill Operations (MOLO).

S6. Stormwater Management Requirements for Secondary Permittees

The City does not have any secondary permittees.

S7. Compliance with Total Maximum Daily Load Requirements

The City of Kennewick currently does not have TMDL related requirements.

S8. Monitoring and Assessment

The City of Kennewick partners with the Eastern Washington NPDES Phase II Permittees on monitoring project development. Through 2014, 2015, 2016, and 2017, the City played an active role in the region wide assembly of more than 20 monitoring study questions. The first two phases of the development of these studies is complete and reviewed by Ecology. The City has also worked with Ecology and Eastern Washington Permittees to complete the next phase of the process to develop the Detailed Study Design and Quality Assurance Project Plans, followed by the execution of the studies. Kennewick has committed to lead a regional study focused on effective education and outreach techniques.

S9. Reporting and Recordkeeping

The City intends to submit an annual report for 2017 activities. All records will meet the State records retention schedule or the NPDES Permits requirements whichever is greater. These records will be available to the public on the City website or upon request. Kennewick does not currently have Secondary Permittees requiring a report.

Franklin Conservation District Education Report 2016-2017
 Water on Wheels and Wheat Week
 September 2016 – June 2017

Water on Wheels – Quad Cities	# Students	# Teachers	# of lessons
Kennewick			
Bethlehem Lutheran	189	10	8
Canyon View Elementary	60	4	4
Cascade Elementary	232	8	8
Cottonwood Elementary	250	10	10
Eastgate Elementary	96	4	4
Heights Elementary	46	2	2
Ridge View Elementary	551	22	20
Sage Crest Elementary	281	29	15
Southgate Elementary	83	5	4
Vista Elementary	60	3	3
Kennewick Total	1848	97	78
Pasco			
Barbara McClintock STEM Elementary	243	9	9
Captain Gray Elementary	358	22	18
Edwin Markham Elementary	38	2	2
Franklin STEM Elementary	454	21	18
James McGee Elementary	92	6	4
Marie Curie Elementary	102	4	4
Mark Twain Elementary	502	21	21
Maya Angelou Elementary	96	8	4
Robert Frost Elementary	224	8	8
Rowena Chess Elementary	452	31	22
St. Patrick's Catholic School	160	12	7
Whittier Elementary	128	7	7
Pasco Total	2849	151	124
Richland			
Badger Mountain Elementary	213	7	7
Christ the King School	87	5	4
Jefferson Elementary	69	4	4
Marcus Whitman Elementary	363	16	16
Orchard Elementary	451	23	20
Sacajawea Elementary	354	19	18
White Bluffs Elementary	228	10	10

Franklin Conservation District Education Report 2016-2017
 Water on Wheels and Wheat Week
 September 2016 – June 2017

Richland Total	1765	84	79
West Richland			
Tapteal Elementary	410	14	14
Wiley Elementary	263	11	11
West Richland Total	673	25	25
Grand Total	7135	357	306

Wheat Week – Quad Cities	# Students	# Teachers	# of Weeks
Kennewick			
Bethlehem Lutheran School	22	1	1
Cascade Elementary	88	5	1
Kingspoint Elementary	8	1	1
Lincoln Elementary	94	3	1
Sunset View Elementary	94	3	1
Washington Elementary	94	4	1
Kennewick Total	400	17	6
Pasco			
Emerson Elementary	91	4	1
James McGee Elementary	76	4	1
Marie Curie Elementary	105	4	1
Maya Angelou Elementary	126	5	1
Rowena Chess Elementary	84	3	1
Ruth Livingston Elementary	124	6	1
Pasco Total	606	26	6
Richland			
Badger Mountain Elementary	95	6	1
Jason Lee Elementary	110	5	1
Jefferson Elementary	80	5	1
Lewis & Clark Elementary	111	5	1
White Bluffs Elementary	104	5	1
Richland Total	500	26	5
West Richland			
Tapteal Elementary	104	1	1
Wiley Elementary	105	4	1
West Richland Total	209	5	2

Franklin Conservation District Education Report 2016-2017
Water on Wheels and Wheat Week
September 2016 – June 2017

Grand Total	1715	74	19
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Total Wheat Week & Water on Wheels in the Quad Cities

Students = 8,850

Teachers - 431

**2017 Benton Franklin Fair Schedule
Stormwater Booth**

Date	Time	Time	Time
Tuesday 8/22	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
Kara K (setup)	Richland	Richland	Richland
Wednesday 8/23	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
	Kennewick	Kennewick	Kennewick
Thursday 8/24	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
	Pasco	Pasco	Pasco
Friday 8/25	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
	West Richland	West Richland	West Richland
Saturday 8/26	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 12:00 pm
	Richland	West Richland	Franklin Cons. District

NOTE: Each City needs to provide two employees for their scheduled morning and afternoon shifts. For the evening shifts each City only needs to send one person since the Franklin Conservation District will help in the evenings.



2017 Regional Home & Garden Show

TRAC, Pasco

Friday, Feb. 24; 10 am to 7 pm

Saturday, Feb. 25; 10 am to 7 pm

Sunday, Feb. 26; 10 am to 4 pm

February 24, 2017		
Friday 10:00 – 1:00 (3 hours)	West Richland Employee	FCD Employee
Friday 1:00 – 4:00 (3 hours)	West Richland Employee	FCD Employee
Friday 4:00 – 7:00 (3 hours)	Richland Employee	FCD Employee
February 25, 2017		
Saturday 10:00 – 1:00 (3 hours)	Richland Employee	FCD Employee
Saturday 1:00 – 4:00 (3 hours)	Pasco Employee	FCD Employee
Saturday 4:00 – 7:00 (3 hours)	Pasco Employee	FCD Employee
February 26, 2017		
Sunday 10:00 – 1:00 (3 hours)	Kennewick Employee	FCD Employee
Sunday 1:00 – 4:00 (3 hours)	Kennewick Employee	FCD Employee

**2017 Benton Franklin Fair Schedule
Stormwater Booth**

Date	Time	Time	Time
Tuesday 8/22	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
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	Pasco	Pasco	Pasco
Friday 8/25	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 11:00 pm
	West Richland	West Richland	West Richland
Saturday 8/26	9:00 am – 2:00 pm	2:00 pm – 6:30 pm	6:30 pm – 12:00 pm
	Richland	West Richland	Franklin Cons. District

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