

Management Strategies for Reduction of All Pollutants of Concern

Strategy Description	Description of 2017 Activities and Results Monitoring
Require stormwater detention and water quality measures with development. Detention facilities and other low impact development practices provide multiple benefits with respect to water quality. These including reduction of suspended solids and associated pollutants including mercury, iron and pesticides.	New development within the City during the reporting period consisted of the construction of a Dollar General store at the intersection of Douglas Ave. and 99W, in addition to four new houses. See attached photo of the stormwater detention facility construction for the Dollar General facility. Also see attached Storm Water Maintenance and Construction Log.
City Code requirement to protect riparian and wetland areas (17.96.030)	One small storm drainage project was contracted out by the City in 2017. Erosion control measures were installed during construction. No riparian or wetland related construction projects were constructed in 2017. See attached Sam Brown Creek maintenance work entry on the Storm Water Maintenance and Construction Log.
Identification of projects that support implementation efforts	Dollar General stormwater detention facility was completed in 2017. See attached photo of the completed pond.
Stormwater Master Plan with water quality components	Stormwater Plan Update is planned for 2018 or 2019. See Stormwater Budget at: http://www.gervaisoregon.org
Confirm funding strategy is in place for progressive plan implementation	See Stormwater Budget at: http://www.gervaisoregon.org
Solicit public input on TMDL implementation plan	Updated TMDL Plan is Viewable at: http://www.gervaisoregon.org/tmdl-reports.html
Ongoing assessment of management strategies	The 5-Year review and update was completed in 2016. The next update is planned for 2021.
City Council meeting overview and acknowledgement of all TMDL plans and annual reports.	Council acknowledgement of the TMDL Report for 2016 was at the March 2, 2017 meeting. See agenda item 6.c. on meeting minutes viewable at City website: http://www.gervaisoregon.org/council-meeting-agendas.html

Management Strategies for Reduction of Mercury, Bacteria, Iron and Pesticides

Management Strategy	Description of 2017 Activities and Results Monitoring
Require erosion control for construction sites	See attached Log of City Erosion Control Measures.
Actively maintain Sam Brown Creek	Maintenance activities were performed as documented in the Maintenance Log. No new trees were planted in 2017. New trees are planned for 2018. See attached Photos.
Require erosion control for City construction projects	One small drainage project was constructed by the City in 2017. See attached Log of City Erosion Control Measures.
Receive and respond to complaints regarding water quality problems (erosion; illicit discharge)	No complaints received in 2017.
Hold annual public cleanup day; continue ongoing cleanup by Public Works	Public cleanup day was held on April 22, 2017 as posted on the City's website. Cleanup Day Flyer is attached.
Maintenance of stormwater collection and treatment systems	Standard maintenance was performed this year. See Stormwater Maintenance and Construction Log
Maintain maps of City stormwater and sanitary sewer systems	Current maps are viewable on the City website at: http://www.gervaisoregon.org/public-works.html . Map updates for the 2017 projects are pending.
Identify and eliminate wastewater treatment plant illicit discharges	No illicit discharges in 2017 as documented on the City's DMR reports to DEQ.
Minimize inflow and infiltration of stormwater to wastewater system	See attached annual Infiltration/Inflow Report to DEQ dated 1/11/18.
Regular sweeping of city streets	The normal street sweeping was performed in 2017. See attached Street Sweeping Log.



Strategies for Reduction of Temperature

Management Strategy	Description of 2017 Activities and Results Monitoring
Enhance riparian vegetation along Sam Brown Creek	No new vegetation was planted along Sam Brown Creek in 2017. See attached Photo Documentation of Sam Brown Creek. Tree planting will resume in 2018 with 6 trees being purchased for planting.
Maintain status as City Tree USA	The City did not plant any trees in 2017. Tree planting will resume in 2018 with 6 trees being purchased for planting.

Management Strategies for Reduction of Bacteria

Enforce ban on pets in City parks (Ord. 13.001)	This continues to be the City's policy, with signage at all parks indicating this rule. Photos of signage attached.
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Dollar General Store Detention Pond Photo



Looking northeast – January 2018

Sam Brown Creek Photos



Looking East Below Black Walnut Drive – January 2017



Looking East at Taylor Street – January 2017



Looking Southwest at E. Ivy Ave. – January 2018



Looking East at E. Ivy Ave. - January 2018



At Community Park, looking east – January 2018

City of Gervais	
Stormwater Maintenance and Construction Log	
<u>French Prairie Detention Pond</u>	
Date	Description of Work
July and October, 2016	Mowed and used string trimmer to remove excessively tall weeds and grass.
August 8,9 2017	Mowed and trimmed.
<u>Sam Brown Creek</u>	
Date	Description of Work
5/23/2015	Removed a tree from the ditch at Hwy 99, cut down a removed dead tree and removed several loads of trash including a couch.
5/3/16 - 5/5/16	Mowed grass and removed trash
7/11/16 - 7/14/16	Removed trash, Christmas trees, yard waste, blackberries and several tires
Jul 11-13; Aug 3,4, 2017	Mowed, removed trash and blackberries
<u>City Hall Bioswale</u>	
Date	Description of Work
Monthly 2016	Weeding, trimming and clearing catch basins
Monthly April - Oct 2017	Weeding and trimming
<u>New Projects</u>	
Date	Description of Work
6/1/2016	Ivy Widening Project: Installation of 218 LF of 10" storm drainage in 2nd Street between Ivy and Hemlock Avenues
8/1/2016	Grove Avenue Drainage Project: Installation of 200 feet of 10" storm drain between 5th St and 6th Streets
Sept. - October 2017	Dollar General Store Detention Pond Built, landscaped and approved by City.
Sept. - October 2017	Storm Drain Work on Elm Ave. between 5th and 6th streets and on 3rd St. between Ivy and Grove; Installed 300 feet of 10" pipe and 3 catch basins and 1 manhole, cleaned 205 feet of pipe.

City of Gervais
Log of Erosion Control Measures with City Construction Projects Since 2010

<u>Date</u>	<u>Project</u>	<u>Erosion Control Measures Installed</u>
June 2011	Fir Ave and 3rd St. Improvements	Catch Basin Filters in project vicinity
Sept. 2012	Black Walnut Park Project	Silt Fence at project boundary; Biobag filtration across dit
Aug - Oct 2012	Ivy Ave./ Butteville Road Sidewalk and Drainage Project	Catch Basin Filters along Ivy Ave.
Aug. 2014	2013 Water Tank Project	Silt Fence at Project Perimeter
July 2014	Ivy Ave. Sidewalk and Grade Crossing Improvements	Catch Basin Filters along Fifth St.
Oct. 2014	Alder Ditch Improvements	Biobag filtration across ditch bottom
Sept. 2015	2015 Storm Drainage Project	Catch Basin Filters along Fifth St.
June 2016	Ivy Ave. Widening Project	Biobag Filtration at entry to Grove Ave. Storm Drain.
Aug. 2016	2016 Storm Drainage Project	Biobag Filtration at entry to existing pipe along Fifth St.
June- Sept 2017	Dollar General Store Development	Silt Fence at Project Perimeter
Oct. 2017	2017 Storm Drainage Project	Catch Basin Filters along Fifth St. and 3rd Street



CITY OF GERVAIS ANNUAL CLEAN UP

Douglas Ave, and Fifth Street - Dumpsters

APRIL 22, 2017

8:00 AM – 4:00 PM

**YARD DEBRIS, NON-TREATED LUMBER, METAL,
APPLIANCES, FURNITURE**

**NO TIRES – NO HOUSEHOLD GARBAGE, No Toxic
Waste (Batteries, Oil, etc.)**

Residents Living Within Gervais City Limits Only

VOLUNTEERS NEEDED AND APPRECIATED THROUGHOUT THE DAY



TETRA TECH

January 15, 2018

Julie Ulibarri
DEQ Water Quality Compliance Specialist
165 E. 7th Avenue, Suite 100
Eugene, OR 97401-3049

**Re: City of Gervais
Summary of Infiltration/Inflow Related Activities for 2017**

Dear Ms. Ulibarri:

As required by the City's NPDES permit, this letter is provided as a summary of activities performed by the City related to the control of infiltration and inflow (I/I) into the sanitary sewer collection system.

The following activities were performed in 2017:

1. Video inspection for general condition as well as infiltration sources was performed on 700 feet of sanitary sewer pipe. The infiltration observed from the video was not sufficient to warrant pipe repair work.
2. New storm drain line, catch basins and manholes were installed in two locations to address poor surface drainage and improve maintainability of the system. Approximately 400 feet of pipe was installed along with 5 catch basins. In addition, approximately 300 feet of storm drain line was cleaned.
3. The Public Works Department continued to monitor the collection system for obvious inflow sources such as illicit connections.

The following I/I reduction related activities are planned to be performed in 2018:

1. Additional pipeline videoing and manhole inspection is planned for the next several months to identify I/I sources that warrant system repair work. Any repair work that's identified will be scheduled for this coming summer.
2. The City Public Works Department will continue to monitor the collection system for obvious infiltration or inflow.

Please call if there are any comments or questions.

Sincerely,
Tetra Tech, Inc.

Steven L. Kraushaar, P.E.
City Engineer

c: Pat Claxton, City of Gervais

City of Gervais									
Monthly Street Sweeping Maintenance									
Water Truck Services, Inc.									
Invoice	Service				Invoice	Service			
Date	Date	Hours	Rate	Amount	Date	Date	Hours	Rate	Amount
8/2/2011	7/13/2011	3.00	110.00	330.00	11/24/2014	11/12/2014	3.75	110.00	412.50
9/12/2011	8/9/2011	3.25	110.00	357.50	12/30/2014	12/23/2014	3.00	110.00	330.00
10/10/2011	9/13/2011	3.00	110.00	330.00					
10/14/2011	10/11/2011	3.25	110.00	357.50	2/4/2015	1/13/2015	3.00	110.00	330.00
11/10/2011	11/8/2011	3.00	110.00	330.00	3/18/2015	3/10/2015	2.75	110.00	302.50
12/14/2011	12/13/2011	3.50	110.00	385.00	5/5/2015	4/7/2015	4.00	110.00	440.00
					6/3/2015	5/12/2015	3.00	110.00	330.00
1/24/2012	1/10/2012	3.00	110.00	330.00	6/18/2015	6/9/2015	4.00	110.00	440.00
2/15/2012	2/14/2012	3.00	110.00	330.00	8/12/2015	7/14/2015	3.25	110.00	357.50
3/21/2012	3/20/2012	3.50	110.00	385.00	8/18/2015	8/11/2015	3.00	110.00	330.00
4/11/2012	4/10/2012	3.00	110.00	330.00	8/24/2015	8/20/2015	0.50	110.00	55.00
5/11/2012	5/9/2012	4.00	110.00	440.00	9/22/2015	9/8/2015	2.75	110.00	302.50
6/14/2012	6/12/2012	4.00	110.00	440.00	11/12/2015	10/13/2015	3.00	110.00	330.00
7/18/2012	7/17/2012	3.00	110.00	330.00	1/8/2016	12/23/2015	3.00	110.00	330.00
8/24/2012	8/21/2012	3.00	110.00	330.00					
9/17/2012	9/11/2012	3.00	110.00	330.00	1/14/2016	1/13/2016	3.00	110.00	330.00
10/11/2012	10/9/2012	4.50	110.00	495.00	2/15/2016	2/9/2016	4.00	110.00	440.00
11/17/2012	11/13/2012	3.50	110.00	385.00	3/14/2016	3/8/2016	4.50	110.00	495.00
12/14/2012	12/11/2012	3.00	110.00	330.00	4/15/2016	4/12/2016	3.50	115.00	402.50
					5/11/2016	5/10/2016	3.50	115.00	402.50
1/9/2013	1/8/2013	3.00	110.00	330.00	6/21/2016	6/20/2016	4.00	115.00	460.00
2/26/2013	2/19/2013	3.25	110.00	357.50	7/15/2016	7/13/2016	2.00	115.00	230.00
3/13/2013	3/12/2013	3.00	110.00	330.00	8/10/2016	8/9/2016	2.50	115.00	287.50
4/10/2013	4/9/2013	3.00	110.00	330.00	9/21/2016	9/14/2016	2.50	115.00	287.50
5/15/2013	5/14/2013	4.25	110.00	467.50	10/13/2016	10/11/2016	2.50	115.00	287.50
6/12/2013	6/11/2013	4.00	110.00	440.00	11/10/2016	11/8/2016	4.00	115.00	460.00
9/4/2013	8/27/2013	3.00	110.00	330.00	12/19/2016	12/13/2016	3.00	115.00	345.00
9/13/2013	9/11/2013	3.00	110.00	330.00					
10/9/2013	10/8/2013	3.00	110.00	330.00	1/13/2017	1/10/2017	2.50	115.00	287.50
11/18/2013	11/12/2013	4.00	110.00	440.00	2/16/2017	2/14/2017	2.50	115.00	287.50
					4/11/2017	4/11/2017	2.50	115.00	287.50
1/17/2014	1/14/2014	3.00	110.00	330.00	5/9/2017	5/9/2017	2.50	115.00	287.50
2/25/2014	2/19/2014	3.00	110.00	330.00	7/1/2017	6/13/2017	3.00	115.00	345.00
3/17/2014	3/12/2014	3.00	110.00	330.00	7/13/2017	7/11/2017	3.00	115.00	345.00
4/18/2014	4/8/2014	3.00	110.00	330.00	8/14/2017	8/8/2017	3.50	115.00	402.50
5/14/2014	5/13/2014	3.00	110.00	330.00	9/20/2017	9/12/2017	3.00	115.00	345.00
6/13/2014	6/10/2014	3.00	110.00	330.00	10/10/2017	10/10/2017	3.00	115.00	345.00
7/14/2014	7/7/2014	2.00	110.00	220.00	11/30/2017	11/14/2017	3.00	115.00	345.00
9/15/2014	9/9/2014	4.50	110.00	495.00					
10/20/2014	10/14/2014	3.50	110.00	385.00					

Pet Restriction Signs at City Parks



At Community Park



At Elm Street Park