



TETRA TECH

January 30, 2017

Nancy Gramlich
Willamette Basin Coordinator
DEQ Salem Office, Western Region
4026 Fairview Industrial Drive SE
Salem, OR 97302

**Subject: City of Gervais
Molalla-Pudding Basin TMDL Plan
2016 Annual Report**

This letter report is provided in accordance with the City of Gervais' recently updated TMDL Implementation Plan to report on the City's TMDL related activities for 2016. Management strategies and the related activities are identified below:

Management Strategies for Reduction of All Pollutants of Concern

Strategy Description	Description of 2016 Activities and Results Monitoring
Require stormwater detention and water quality measures with development	There was no new development within the City during the reporting period. See attached Storm Water Maintenance and Construction Log.
City Code requirement to protect riparian and wetland areas (17.96.030)	Two small storm drainage projects were contracted out by the City in 2016. Each included erosion control measures. No riparian or wetland related construction projects were constructed in 2016. See attached Sam Brown Creek maintenance work entry on the Storm Water Maintenance and Construction Log.
Identification of projects that support implementation efforts	No applicable projects were completed in 2016.
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 Viewable at: http://www.gervaisoregon.org

Management Strategies for Reduction of All Pollutants of Concern (Cont.)

Management Strategy	Description of 2016 Activities and Results Monitoring
Ongoing assessment of management strategies	The 5-Year review and update was completed in 2016.
City Council meeting overview and acknowledgement of all TMDL plans and annual and 5 year reports	Council acknowledgement of the TMDL Plan was at the February 4, 2016 meeting. See agenda item 6.b. on meeting minutes viewable at City website: http://www.gervaisoregon.org/Agenda_Minutes.html

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

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 planted in 2016. See attached Photos.
Require erosion control for City construction projects	Two small drainage project were constructed by the City in 2016. See attached Log of City Erosion Control Measures.
Receive and respond to complaints regarding water quality problems (erosion; illicit discharge)	No complaints received in 2016.
Hold annual public cleanup day; continue ongoing cleanup by Public Works	Public cleanup day was held on April 23, 2016 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: https://www.gervaisoregon.org . Map updates for the 2016 projects are pending.

Management Strategies for Reduction of Mercury, Bacteria, Iron and Pesticides (Cont.)

Management Strategy	Description of 2016 Activities and Results Monitoring
Identify and eliminate wastewater treatment plant illicit discharges	No illicit discharges in 2016 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 1/25/17.
Regular sweeping of city streets	The normal street sweeping was performed in 2016. See attached Street Sweeping Log.

Management Strategies for Reduction of Temperature

Enhance riparian vegetation along Sam Brown Creek	No new vegetation was planted along Sam Brown Creek in 2016 as discussed below. See attached Photo Documentation of Sam Brown Creek.
Maintain status as City Tree USA	Due to vandalism of new trees, the City did not plant any trees in 2016 and is evaluating its approach to tree planting. It is likely tree planting will resume in 2017 with larger trees being planted.

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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Should you have any questions or comments regarding this report, please give either Susie Marston or myself a call.

Sincerely,
Tetra Tech, Inc.



Steven L. Kraushaar, P.E.
 City Engineer

c: Susie Marston
 Central Files #2470028

Attachments to City of Gervais 2016 Annual TMDL Report

1. 2016 Stormwater Maintenance and Construction Log
2. Log of Erosion Control Measures installed with City Construction Projects
3. Photo Documentation of Sam Brown Creek - 2016
4. City Cleanup Day Flyer
5. Street Sweeping Log
6. Copy of Annual sanitary sewer Infiltration / Inflow report to DEQ
7. Photo Documentation of Park Pet Regulation Signage

City of Gervais	
2016 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.
<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
<u>City Hall Bioswale</u>	
Date	Description of Work
Monthly	Weeding, trimming and clearing catch basins
<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

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 ditch
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.

Sam Brown Creek Photos 2016



At Taylor Street looking east - June 2016



At Community Park, looking east – June 2016



At Community Park Detention Pond – June 2016



Looking East Below Black Walnut Drive – January 2017



Looking East at Taylor Street – January 2017



CITY OF GERVAIS ANNUAL CLEAN UP

Douglas Ave, and Fifth Street - Dumpsters

APRIL 23TH

8:00 AM – 5:00 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

Refreshments, gloves, and litter bags provided for volunteers

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					
11/18/2013	11/12/2013	4.00	110.00	440.00					
1/17/2014	1/14/2014	3.00	110.00	330.00					
2/25/2014	2/19/2014	3.00	110.00	330.00					
3/17/2014	3/12/2014	3.00	110.00	330.00					
4/18/2014	4/8/2014	3.00	110.00	330.00					
5/14/2014	5/13/2014	3.00	110.00	330.00					
6/13/2014	6/10/2014	3.00	110.00	330.00					
7/14/2014	7/7/2014	2.00	110.00	220.00					
9/15/2014	9/9/2014	4.50	110.00	495.00					
10/20/2014	10/14/2014	3.50	110.00	385.00					



TETRA TECH

January 25, 2017

Mr. David Cole
Oregon Department of Environmental Quality
700 NE Multnomah, Suite 700
Portland, OR 97232

**Re: City of Gervais
Summary of Infiltration/Inflow Related Activities for 2016**

Dear Mr. Cole:

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 2016.

1. 1,850 lineal feet of the sanitary sewer was video inspected for general condition as well as infiltration sources. The infiltration observed from the video was not sufficient to warrant pipe repair work.
2. A new storm drain line was installed in Grove Ave. between 5th and 6th Streets to address poor surface drainage in that area.
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 2017:

1. Additional pipeline videoing and manhole inspection is planned for the next several months with the goal of identifying work for this summer that will provide a reasonable cost to benefit ratio.
2. The City Public Works Department will continue to monitor the collection system for obvious 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

Pet Restriction Signs at City Parks



At Community Park



At Elm Street Park