



Phase II (Small) MS4 Permit TXR040253

**Annual Report - Year One
(October 2018 – September 2019)**



December 2019



Mayor
Craig Morgan

Councilmembers
Tammy Young
Rene Flores
Matthew Baker
Will Peckham
Hilda Montgomery

City Manager
Laurie Hadley

Mayor Pro-Tem
Writ Baese

City Attorney
Stephan L. Sheets

December 18, 2019

Texas Commission on Environmental Quality
Stormwater Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for City of Round
Rock
TPDES Authorization: TXR040253

Dear Team Leader:

This letter serves to transmit the required annual report for the
Texas Pollutant Discharge Elimination System Small Municipal
Separate Storm Sewer System General Permit, Authorization
Number TXR040253 for the City of Round Rock.

The annual report is for Year 1. The reporting period's beginning
10/01/2018 and ending 09/30/2019.

A separate Notice of Change [has not been] submitted based on
the fact that changes [have not been] proposed for the next permit
year.

The Notice of Change was submitted to TCEQ's Applications Review
and Processing Team (MC-148): (N/A)

As required by the general permit, a copy of the report has been
mailed to the TCEQ's regional office 11 in Austin Texas.

Sincerely,

Grayson Roberts
MS4 Technician

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Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040253

Reporting Year: 1

Annual Reporting Year Option Selected by MS4: Fiscal Year

Last day of fiscal year: (09/30)

Reporting period beginning date: (month/date/year) 10/01/2018

Reporting period end date: (month/date/year) 09/30/2019

MS4 Operator Level: 3 Name of MS4: City of Round Rock

Contact Name: Grayson Roberts Telephone Number: (512) 671-2867

Mailing Address: 3400 Sunrise Rd. Round Rock, TX 78665

E-mail Address: groberts@roundrocktexas.gov

A copy of the annual report was submitted to the TCEQ Region:

Yes, a copy of the annual report was submitted to Region 11.

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions:
(TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	✓		NOI has been submitted to the TCEQ along with updated SWMP.
Permittee is currently in compliance with recordkeeping and reporting requirements.	✓		All records are kept up to date and annual reports have been submitted on time.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	✓		Policies are reviewed and updated based on permit requirements.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	✓		SWMP has been updated and submitted to the TCEQ.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education Outreach and Involvement	Attitude Survey	Yes, it increases public awareness, provides opportunity for public feedback, and allows us to assess current public knowledge.
1: Public Education Outreach and Involvement	Public Outreach and Education Campaign Development	Yes, it enhances community awareness of the City's high priority issues such as the Big 3 (bacteria, floatables, and fertilizer).
1: Public Education Outreach and Involvement	Pet Waste Education Campaign – Bacteria Impairment	Yes, 6 pet waste stations were installed in City parks.
1: Public Education Outreach and Involvement	Cease the Grease – Bacteria Impairment	Yes, it educates customers on the proper disposal of fats, oils, and grease.
1: Public Education Outreach and Involvement	Event Participation	Yes, Stormwater participated in City events such as Water You Drinking and the 4 th of July parade to promote public involvement.

1: Public Education Outreach and Involvement	Inlet Markers	34 volunteer markers were placed.
1: Public Education Outreach and Involvement	Household Hazardous Waste Collection	Yes, there were 1,886 residents who participated in HHW events.
1: Public Education Outreach and Involvement	Brush Recycling and Mulch Program	Yes, 27,018 cubic yards of brush was recycled. 881 residents participated in the curbside brush recycling program.
2: Illicit Discharge, Detection, and Elimination	IDDE Procedures	Yes, the City documents and revises its procedures for responding to illicit discharges and spills, as necessary.
2: Illicit Discharge, Detection, and Elimination	IDDE – Reporting Hotline	Yes, 38 investigations were conducted and all issues discovered were resolved.
2: Illicit Discharge, Detection, and Elimination	Staff Training (IDDE)	Yes, evaluating staff and updating training.
2: Illicit Discharge, Detection, and Elimination	MS4 Mapping	Yes, the City's storm drain map was updated with new, altered, and newly discovered storm drain features.
2: Illicit Discharge, Detection, and Elimination	Gilleland Sewer Leak Detection - TMDL	Yes, City crews inspected 1,705 feet of wastewater lines in the Gilleland Creek drainage basin.

2: Illicit Discharge, Detection, and Elimination	Edwards Aquifer Recharge Zone Leak Detection – Bacteria Impairment	Yes, City crews inspected 133,098 feet of wastewater lines.
2: Illicit Discharge, Detection, and Elimination	Grease Surcharge Program – TMDL/Bacteria Impairment	Yes, 113 facilities were monitored.
2: Illicit Discharge, Detection, and Elimination	Household Hazardous Waste Collection	Yes, 1,886 residents participated in Household Hazardous Waste events resulting in a collection of 56.4 tons. Of that amount, 39.9 tons were recycled.
2: Illicit Discharge, Detection, and Elimination	Oil Recycling Stations	Yes, 17,810 gallons of oil was collected and recycled.
2: Illicit Discharge, Detection, and Elimination	Recycling	Yes, the City's drop-off recycling center processed 161.65 tons of paper, metal, and plastic. Single stream recycling for all city residents resulted in 7,239 tons of material being recycled.
3: Construction Site Stormwater Runoff Control	Construction Site Complaint Hotline	Yes, complaints were investigated as they were received.
3: Construction Site Stormwater Runoff Control	Plan Review and Site Inventory – Development	Yes, 43 development projects were reviewed and permitted.

3: Construction Site Stormwater Runoff Control	Construction Site Inspection – Development	Yes, all active development projects were inspected.
3: Construction Site Stormwater Runoff Control	Staff Training – Development	Yes, evaluating staff and updating training.
3: Construction Site Stormwater Runoff Control	Plan Review and Site Inventory – Capital Improvement Program	Yes, 24 CIP projects were active this year.
3: Construction Site Stormwater Runoff Control	Construction Site Inspection – Capital Improvement Program	Yes, all active CIP sites were inspected.
3: Construction Site Stormwater Runoff Control	Staff Training – CIP Staff	Yes, evaluating staff and updating training.
4: Post Construction Stormwater Management in New and Redevelopment	Legal Authority	Yes, reviewing existing ordinances and enforcement programs.
4: Post Construction Stormwater Management in New and Redevelopment	Permanent BMPs Plan Review – CIP	Yes, 24 CIP projects were reviewed this year.

4: Post Construction Stormwater Management in New and Redevelopment	Permanent BMPs Plan Review – Development and Redevelopment	Yes, 43 projects were reviewed.
4: Post Construction Stormwater Management in New and Redevelopment	Post Construction Site Inspection	Yes, 43 development and 24 CIP projects were inspected this year.
4: Post Construction Stormwater Management in New and Redevelopment	Long Term O&M – Permanent BMPs Permittee Owned	Yes, 1,560 gallons of vegetation and 1,305 gallons of floatables were removed from City-owned BMPs.
4: Post Construction Stormwater Management in New and Redevelopment	Long Term O&M and Enforcement – Permanent BMPs Privately Owned	Yes, no cases were referred for EARZ violations.
5: Good Housekeeping	Permittee Owned Facility Map and Inventory	Yes, updates are being made to the City's storm system map and the facility and control inventory.
5: Good Housekeeping	Contractor Requirements and Oversight	Yes, 79 contracts were approved this year and language was updated as necessary.
5: Good Housekeeping	Operations and Maintenance Activity SOPs	Yes, evaluated current procedures and SOPs for high-risk maintenance activities.

5: Good Housekeeping	High Priority Facilities SOPs	Yes, identified high priority facilities and conducted inspections.
5: Good Housekeeping	Staff Training Good Housekeeping	Yes, evaluating staff and updating training.
5: Good Housekeeping	Street Sweeping	Yes, 3,828.38 curb miles were swept.
5: Good Housekeeping	Structural Control Maintenance	Yes, 1,560 gallons of vegetation and 1,305 gallons of floatables were removed from City-owned BMPs.

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table below to meet this requirement (**see Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	Pet Waste Education Campaign – Bacteria Impairment	City parks	6	Pet waste stations	Yes. Many of the City parks include waterways, which drain to Brushy Creek. Providing waste stations keeps pet waste out of these waterways.
1	Inlet Markers	GIS data	34	Inlet markers	No. However, this BMP does promote citizen's awareness of the storm drain system. It also enables them to be more conscientious of potential pollutants around inlets.
1	Household Hazardous Waste Collection	Event participation	1,886	Residents	Yes. Collection events encourage proper disposal, keep materials from entering waterways, and get residents involved in water quality efforts.
1	Brush Recycling and Mulch Program	Brush collected	27,018	Cubic yards of brush	Yes. Brush recycling encourages the proper disposal of tree and shrubbery waste keeping the materials from entering the waterways.

1	Brush Recycling and Mulch Program	Event participation	881	Residents	Yes. Brush recycling encourages the proper disposal of tree and shrubbery waste keeping the materials from entering the waterways.
2	IDDE – Reporting Hotline	Report documentation	38	Investigations	Yes. By responding and investigating illicit discharges, we reduce the amount of pollution in our waterways.
2	Gilleland Sewer Leak Detection - TMDL	CCTV Footage	1,705	Feet of wastewater lines	Yes. By identifying and eliminating any sanitary sewer leaks, we reduce the potential for E. coli bacteria discharge.
2	Edwards Aquifer Recharge Zone Leak Detection – Bacteria Impairment	CCTV Footage	133,098	Feet of wastewater lines	Yes. By identifying and eliminating any sanitary sewer leaks, we reduce the potential for E. coli bacteria discharge.
2	Grease Surcharge Program – TMDL/Bacteria Impairment	Sampling	113	Facilities	Yes. The City monitors all non-residential user's wastewater discharges. This program provides a financial incentive to use best practices to prevent overflows.
2	Household Hazardous Waste Collection	Waste collected	56.4	Tons of waste	Yes. The City provides proper disposal opportunities for residents, keeping waste from entering the waterways.

2	Household Hazardous Waste Collection	Waste recycled	39.9	Tons of waste	Yes. The City recycles the waste provided by residents, keeping waste from entering the waterways.
2	Oil Recycling Stations	Oil collected	17,810	Gallons of oil	Yes. The City collects oil from residents, keeping waste from entering the waterways.
2	Recycling	Material processed	161.65	Tons of paper, metal, and plastic	Yes. The City provides a drop off recycling center for residents, keeping the waste from entering the waterways.
2	Recycling	Material recycled	7,239	Tons of material	Yes. The City offers curbside recycling for residents, keeping the waste from entering the waterways.
3	Plan Review and Site Inventory – Development	Plans	43	Projects	Yes. Reviewing projects to ensure designs are compliant with CGP, the EAR, and city ordinances.
3	Plan Review and Site Inventory – Capital Improvement Program	Plans	24	CIP projects	Yes. Reviewing CIP projects to ensure designs are compliant with the CGP, the EAR, and City ordinances.
4	Permanent BMPs Plan Review – CIP	Plans	24	CIP projects	Yes. Reviewing CIP projects to ensure designs are compliant with City ordinances and policies as updated.

4	Permanent BMPs Plan Review – Development and Redevelopment	Plans	43	Projects	Yes. Review projects to ensure designs are compliant with City ordinances and policies as updated by the current MS4 General Permit.
4	Post Construction Site Inspection	Plans	43	Development projects	Yes. Inspecting permanent BMPs ensures compliance with plans, City ordinances, and practices.
4	Post Construction Site Inspection	CIP Project List	24	Projects	Yes. Inspecting permanent BMPs ensures compliance with plans, City ordinances, and practices.
4	Long Term O&M – Permanent BMPs Permittee Owned	GIS data	1,560	Gallons of vegetation	Yes. Maintaining City-owned water quality and detention facilities reduces the release of pollutants to the MS4.
4	Long Term O&M – Permanent BMPs Permittee Owned	GIS data	1,305	Gallons of floatables	Yes. Maintaining City-owned water quality and detention facilities reduces the release of pollutants to the MS4.
5	Contractor Requirements and Oversight	City Council agenda	79	Approved contracts	Yes. Ensuring all contractors perform maintenance activities using appropriate control measures and SOPs to minimize the release of pollutants to the MS4.

5	Street Sweeping	GIS data	3828.38	Curb miles	Yes. Regular street sweeping of public streets and high priority facilities minimize the release of pollutants from roadways and parking lots to the MS4.
5	Structural Control Maintenance	GIS data	1,560	Gallons of vegetation	Yes. Inlet cleaning and permanent BMP maintenance reduces the level of pollutants discharged to the MS4.
5	Structural Control Maintenance	GIS data	1,305	Gallons of floatables	Yes. Inlet cleaning and permanent BMP maintenance reduces the level of pollutants discharged to the MS4.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**see Example 3 in instructions**):

MCM	Measurable Goal(s)	Explain progress toward goal or how goal was achieved.
1	Install pet waste stations in City parks.	Met goal – 6 pet waste stations were installed in City parks.
1	Install inlet markers for the storm drain system.	Met goal – 34 inlet markers were installed.
1	Have residents participate in Household Hazardous Waste events.	Met goal – 1,886 residents participated in HHW events.
1	Collect brush from residents with brush recycling program.	Met goal – 27,018 cubic yards of brush was recycled, and 881 residents participated in the curbside brush recycling program.
2	Investigate citizen complaints and staff reports regarding illicit discharges.	Met goal – 38 investigations were conducted this year.

2	Inspect wastewater lines in the Gilleland Creek drainage basin.	Met goal – 1,705 feet of wastewater lines were inspected.
2	Inspect wastewater lines in the Edwards Aquifer Recharge Zone.	Met goal – 133,098 feet of wastewater lines were inspected.
2	Monitor non-residential user's wastewater discharges.	Met goal – 113 facilities were monitored this year.
2	Collect Household Hazardous Waste from residents.	Met goal – 56.4 tons of waste was collected.
2	Recycle Household Hazardous Waste collected from residents.	Met goal – 39.9 tons of waste was recycled.
2	Collect used oil at stations throughout the City.	Met goal – 17,810 gallons of oil was collected.
2	Process recyclable material from residents at the drop-off recycling center.	Met goal – 161.65 tons of paper, metal, and plastic was processed.
2	Recycle materials from residents at the drop-off recycling center.	Met goal – 7,239 tons of material was recycled.
3	Continue plan review and inventory for all projects.	Met goal – 43 projects were reviewed.
3	Review CIP projects to ensure designs are compliant with the CGP, the EAR, and City ordinances.	Met goal – 24 CIP projects were reviewed.
4	Review CIP projects to ensure designs are compliant with City ordinances and policies as updated.	Met goal – 24 CIP projects were reviewed.
4	Review projects to ensure designs are compliant with City ordinances.	Met goal – 43 projects were reviewed.
4	Inspect and document permanent BMPs for compliance with plans, City ordinances, and practices.	Met goal – reviewed 43 development projects and inspected 24 CIP projects.
4	Maintain City-owned water quality and detention facilities.	Met goal – removed 1,560 gallons of vegetation and 1,305 gallons of floatables.

5	Ensure all city contractors perform maintenance activities using appropriate control measures.	Met goal – 79 contracts were approved.
5	Sweep public streets and City facilities.	Met goal – 3828.38 curb miles were swept.
5	Clean City-owned inlets and maintain permanent BMPs.	Met goal – removed 1,560 gallons of vegetation and 1,305 gallons of floatables.

C. Stormwater Data Summary

The City of Round Rock SWMP does not include any sampling. BMPs directed at bacteria are indicated as well as discussed below in number two. Information regarding the reduction of pollutants into the MS4 are also detailed in number two.

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

There have been no newly-identified impaired waters.

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

Most of the City (98%) drains into Segments 1244_03 and 1244_04 in Brushy Creek in the *2006 Texas Water Quality Inventory and 303(d) List*. Data the TCEQ analyzed from the assessment period from 1999-2004 showed slightly higher concentrations of E. coli and fecal coliform bacteria. Since 2004, E. coli bacteria levels in Brushy Creek have remained relatively stable (under 206 colonies/100ml) despite the City's rapid urbanization.

Selected Bacteria Impairment BMPs

As required by the TPDES General Permit, the City has selected the following BMPs to specifically target bacteria loading reductions. Water quality sampling is not included in the City's SWMP.

Sanitary Sewer Systems

Overflows from sanitary collection systems are infrequent, but when they occur, they can be a significant source of E. coli. bacteria. Aging infrastructure in need of repair can also contribute to bacteria loadings. The City routinely inspects and repairs the sanitary sewer system in our most sensitive areas which are over the Edwards Aquifer. Other areas of the cities are inspected and repaired as necessary.

MCM #2 Illicit Discharge Detection and Elimination

EARZ Leak Detection-Bacteria Impairment

Identify and eliminate any sanitary sewer leaks within the most sensitive areas (EARZ) to reduce the potential for bacteria discharge. Sanitary sewer lines within the EARZ will be evaluated every 5 years.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1 Oct 2018-Sept 2019	Continue the annual sanitary sewer leak determination and elimination program. City crews inspected 133,098 feet of wastewater lines.

On-Site Sewage Facilities

On-Site Sewage Facilities (OSSFs) can be potential source of *E. coli*. Bacteria. There are very few OSSF's within the City because population growth primarily began in the mid 1970's and new users are required to connect to the City's wastewater collection system. The WCCHD (Williamson County and Cities Health District) is the designated agent of the TCEQ overseeing OSSFs in our area. The City's role in monitoring these facilities is limited to enforcement of the Illicit Discharge ordinance. In the event the City receives a complaint or observes a problem with an OSSF, staff will coordinate with the WCCHD.

<p>Permit Year 1 Oct 2018-Sept 2019</p>	<p>No OSSF cases were referred during permit year 1.</p>
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Illicit Discharges and Dumping

The public can be our greatest ally in preventing illicit discharges, including sanitary sewer overflows, which can contribute to increased *E.coli*. Bacteria levels in the City's waterways. Educating the public on the proper disposal of fats, oils, and grease can reduce the potential for overflows. Providing a financial incentive to businesses can assist in bringing about amendments to long held company policies.

MCM #1 Public Education Outreach and Involvement

Cease the Grease-Bacteria Impairment

A Public Education Outreach and Involvement campaign will be developed and implemented to reduce any bacteria loading from sanitary overflows. Educating customers on the proper disposal of fats, oils and grease can lead to behavioral changes and eliminate one of the greatest causes of residential sewer backups.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

<p>Annual Goals</p>	
<p>Permit Year 1 Oct 2018-Sept 2019</p>	<p>Continue implementation. Flyers were distributed to HOAs and in areas where there were grease related backups.</p>

MCM #2 Illicit Discharge Detection and Elimination

Grease Surcharge Program-TMDL/Bacteria Impairment

Continue inspections, education, monitoring and enforcement targeted at reducing the level of fats, oils, and grease that enter the City’s sanitary sewer system to minimize E.coli bacteria levels in area waterways from sanitary overflows. The City monitors all non-residential users’ wastewater discharges. Users whose wastewater exceeds standards receive a surcharge. Educational material is available from the City on how to reduce these levels and reduce their fee. This program provides a financial incentive to use best practices to prevent overflows.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1 Oct 2018-Sept 2019	Continue education, monitoring and enforcement program. 113 Facilities were monitored in PY01.

Animal Sources

Animals can be potential source of *E.coli*. Bacteria. From March through November of each year, the City is home to a population of Mexican free-tailed bats who reside under the TXDOT operated IH35 bridge at McNeil Road. Other species native to the Round Rock area are feral hogs, ducks, possums, raccoons, turtles, etc.

There are no zoos within the City and there is minimal agricultural activity. Household pets are present in numbers consistent with a primarily urban landscape. During the previous permit term, pet waste stations were installed throughout City Parks.

MCM #1 Public Education Outreach and Involvement

Pet Waste Education Campaign-Bacteria Impairment

Many of the City parks include waterways, which drain to Brushy Creek. A public education campaign on pet waste will be developed and implemented to reduce any bacteria loading from pet waste.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1	Continue educational campaign.
Oct 2018-Sept 2019	PARD signage and 6 pet waste stations were installed.

3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

Selected TMDL BMP's

As required by the TPDES General Permit, the City has selected the following BMPs to specifically target bacteria loading reductions.

Sanitary Sewer Systems

Overflows from sanitary collection systems are infrequent, but when they occur, they can be a significant source of E.coli Bacteria. Aging infrastructure in need of repair can also contribute to bacteria loadings. Although not a component of the I-Plan, the City will proactively inspect and make any necessary repairs to the sanitary sewer in the Gilleland watershed this permit term.

MCM #2 Illicit Discharge Detection and Elimination

Gilleland Sewer Leak Detection-TMDL

Identify and eliminate any sanitary sewer leaks within the Gilleland Creek drainage basin to reduce the potential for E.coli bacteria discharge.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1	Complete any remaining repairs.
Oct 2018-Sept 2019	No additional repairs required. 1,705 feet of wastewater lines in Gilleland Creek drainage basin were inspected.

EARZ Leak Detection-Bacteria Impairment

Identify and eliminate any sanitary sewer leaks within the most sensitive areas (EARZ) to reduce the potential for bacteria discharge. Sanitary sewer lines within the EARZ will be evaluated every 5 years.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1	Continue the annual sanitary sewer leak determination and elimination program.
Oct 2018-Sept 2019	City crews inspected 133,098 feet of wastewater lines.

On-Site Sewage Facilities

On-Site Sewage Facilities (OSSFs) can be potential source of *E.coli* Bacteria. There are very few OSSF's within the City because population growth primarily began in the mid 1970's and new users are required to connect to the City's wastewater collection system. The Transportation and Natural Resources department of Travis County and the City of Austin are the designated agents of the TCEQ overseeing OSSFs in the Gilleland Creek Watershed. As part of the I-Plan, Travis County has held several workshops to educate owners on the proper maintenance and inspection of OSSFs. The City's role in monitoring these facilities is limited to enforcement of the Illicit Discharge ordinance. In the event the City receives a complaint or observes a problem with an OSSF, staff will coordinate with Travis County.

Permit Year 1	No OSSF cases were referred during permit year 1.
Oct 2018-Sept 2019	

Illicit Discharges and Dumping

The public can be our greatest ally in preventing illicit discharges, including sanitary sewer overflows, which can contribute to increased bacteria levels in the City's waterways. Educating the public on the proper disposal of fats, oils and grease (FOG) can reduce the potential for overflows. Providing a financial incentive to businesses can assist in bringing about amendments to long held company policies.

MCM #1 Public Education Outreach and Involvement

Cease the Grease-Bacteria Impairment

A Public Education Outreach and Involvement campaign will be developed and implemented to reduce any bacteria loading from sanitary overflows. Educating customers on the proper disposal of fats, oils and grease can lead to behavioral changes and eliminate one of the greatest causes of residential sewer backups.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1	Continue implementation.
Oct 2018-Sept 2019	Flyers were distributed to HOAs and in areas where there were grease related backups.

MCM #2 Illicit Discharge Detection and Elimination

Grease Surcharge Program-TMDL/Bacteria Impairment

Continue inspections, education, monitoring and enforcement targeted at reducing the level of fats, oils, and grease that enter the City’s sanitary sewer system to minimize E.coli bacteria levels in area waterways from sanitary overflows. The City monitors all non-residential users’ wastewater discharges. Users whose wastewater exceeds standards receive a surcharge. Educational material is available from the City on how to reduce these levels and reduce their fee. This program provides a financial incentive to use best practices to prevent overflows.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1 Oct 2018-Sept 2019	Continue education, monitoring and enforcement program. 113 Facilities were monitored in PY01.

Animal Sources

Animals can be potential source of *E.coli*. Bacteria. Other species native to the Round Rock area are feral hogs, ducks, possums, raccoons, turtles, etc.

There are no zoos within the City and there is minimal agricultural activity. Household pets are present in numbers consistent with a primarily urban landscape. One of the components of the I-Plan targets pet waste education and reduction.

MCM #1 Public Education Outreach and Involvement

Pet Waste Education Campaign-Bacteria Impairment

Many of the City parks include waterways, which drain to Brushy Creek. A public education campaign on pet waste will be developed and implemented to reduce any bacteria loading from pet waste.

BMP Effectiveness: Effective. See BMP description above for appropriateness.

Annual Goals	
Permit Year 1	Continue educational campaign.
Oct 2018-Sept 2019	PARD signage and 6 pet waste stations were installed.

4. Report the benchmark identified by the MS4 and assessment activities:

Waste Load Allocations for Gilleland Creek – Only point sources were allotted an individual waste load allocation (WLA) in the I-Plan; thus, the City is part of an aggregate WLA. The small drainage area in Round Rock that drains to the Gilleland watershed is above the headwaters. The City and other TMDL partners recently updated the I-Plan in October of 2019.

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
N/A	I-Plan	Participating in updating the I-Plan with other TMDL partners.

6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
N/A	See number two

7. Assess the progress to determine BMP’s effectiveness in achieving the benchmark.

Benchmark Indicator	Description/Comments
N/A	See number four

E. Stormwater Activities

Describe activities planned for the next reporting year:

BMP activity goals will be continued with changes made as required by the new permit.

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

Yes No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

Yes No

If "Yes," report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
N/A	N/A	N/A

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

No additional BMPs are recommended at this time. The SWMP already includes BMPs to address bacteria impairments and considers the Gilleland Creek I-Plan.

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

Yes No

If "Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

2.a. Is the permittee part of a group sharing a SWMP with other entities?

Yes No

2.b. If "yes," is this a system-wide annual report including information for all permittees?

Yes No

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

43

2a. Does the permittee utilize the optional seventh MCM related to construction?

Yes No

2b. If "yes," then provide the following information for this permit year:

J. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

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 the 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.

Name (printed): Michael Thane Title: Utilities and Environmental Services Director

Signature:  Date: December 18, 2019

Name of MS4: City of Round Rock

For supporting documents contact:

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