

Stormwater Controls Inspection, Maintenance and Effectiveness August 1, 2019 to December 31, 2020

BMPs on Multiple Municipal Properties				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curbs/Gutters	1 X per year	As needed	Street sweeping is done City wide at least one time per year	Disposed on 4/7/20 -28.03 ton, 4/13/20 – 28.58 ton, 11/7/19 – 15.02 ton, 10/19/19 – 15.55 ton
- Storm Sewers	1 X per year	As needed	1 Quadrant is scheduled for cleaning each year	
Catch Basins	1 X per year	As needed	1 Quadrant is scheduled for cleaning each year	
Detention/Retention Ponds	1 X per year	Every other year	1 retention pond, inspected quarterly	No issues found
Municipal Property Common Name and Property Type				
<i>3500 Kelly St – Cherry Ave Parking Lot</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20 inspected	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>3338 VanBuren St – Gary Byker Memorial Library</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance	Effectiveness of Control and

BMPs on Multiple Municipal Properties				
			Conducted and Location of Log (if applicable)	Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>3275 Central Blvd – Hudsonville City Hall</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Detention Pond	1 X per year	Every Other Year	11/2/20	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>5713 Balsam Dr – Hudsonville DPW Building</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>Local Streets with Gravel Shoulders</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	1 Quadrant is scheduled for cleaning each year	

BMPs on Multiple Municipal Properties				
Municipal Property Common Name and Property Type				
<i>Local Streets with Curb and Gutter</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	10/21/20	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>Major Streets</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	1 Quadrant is scheduled for cleaning each year	
Municipal Property Common Name and Property Type				
<i>4674 Hill Side Dr – Hillside Park</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20	Plummers Environmental
<i>5578 School St – Hudsonville Cultural Center</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and	Effectiveness of Control and

BMPs on Multiple Municipal Properties				
			Location of Log (if applicable)	Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20	Plummers Environmental
Municipal Property Common Name and Property Type				
<i>2800 New Holland St – Nature Center</i>				
Structural Storm Water Control	Inspection Frequency	Maintenance Schedule	Inspection and Maintenance Conducted and Location of Log (if applicable)	Effectiveness of Control and Support Documentation
Curb, gutter, catch basins, storm sewers	1 X per year	As needed	11/2/20	Plummers Environmental

Illicit Discharge Elimination Plan (IDEP)

Regional IDEP Activities

A detailed description of the IDEP activities undertaken on an individual basis is included below. The IDEP activities include dry-weather screening of stormwater outfalls, locating possible sources of contamination, responding to reported incidents, correcting the problems, and preventing new illicit connections.

The IDEP is being implemented under a cooperative program administered by GVMC and involving the county agencies and municipal units. The IDEP was approved by EGLE in August of 2013. GVMC conducted outfall screening during the summer of 2018 on behalf of the MS4 communities in the Lower Grand River Watershed.

Please describe any dry-weather screening conducted during the reporting period and the findings of that screening.

Dry weather screening was performed in 2018 and is due again in 2023.

Please list any other known and/or resolved illicit discharges identified during the reporting period and status of elimination. For significant discharges, also list the pollutants involved with an estimate of the volume and loading. Please describe enforcement action, if any.

Examples of illicit discharges include: malfunctioning septic systems; sanitary sewer leaks, overflows, or cross-connections; laundry water discharges; leaking fluids from vehicles, barrels, dumpsters, or tanks; concrete truck wash water; polluted runoff from temporary or permanent storage areas; improper fire hydrant flushing; spills from auto accidents; power washing wastewater; industrial/commercial wastewater, dumping; and any other violation of the IDEP ordinance.

-8/31/2019- Highland Dr. and Barry St. The City received a call from a resident concerned they smelled sewer gas. When the Department of Public Worked operator arrived they found a manhole that sewer was gurgling out of. The manhole location is located on the bank of Rush Creek.

There was a clog in the sewer line that was remedied that stopped the leak. However, there is no determination as to the volume of loss. Estimate is approximately 1 gallon per minute. This is a best guess based on the tall grass all around the location as well as the natural light available based on the time of day. Not possible to determine total amt. discharged.

4/27/20- Hutt Trucking alerted 911 that a third party carrier truck spilled approximately 150 gallons of diesel fuel. Some quantity of that entered the storm catch basin on the Hutt property. The storm outfall location is inside the City of Hudsonville's Nature Center.

The State of Michigan EGLE and Young's Environmental were dispatched to the scene. The diesel spill has been contained in shallow water bodies and creeks in the Nature Center. The City of Hudsonville will be closing sections of the trail in the Nature Center to aid in the cleanup.

At this point the City is not the responsible party, and we have no public notification requirements per Bob Miller's conversation with EGLE. Youngs Environmental and EGLE ran the cleanup – not City of Hudsonville

<p>Please list the status and schedule for elimination for any illicit discharges identified but not eliminated during this reporting period. Also, report the status of any illicit discharges identified but not eliminated during previous reporting periods.</p>
<p>All illicit discharges have been eliminated.</p>
<p>Please describe the actions your community takes when indications of illicit discharges have been identified.</p>
<p>Calls come to DPW, Fire and EMS DPW responds with personnel, sand or bags to help contain the discharge Youngs Environmental is dispatched. Amount of contamination is assessed. EGLE is notified and requested to scene if necessary. A courtesy call is placed to LGROW Reports are filed Any ordinance violations are looked at for enforcement</p>
<p>Please provide:</p> <ul style="list-style-type: none">• An estimated quantification of the number of discharges eliminated, and• An estimated quantification of the volume of illicit flow eliminated (<i>For large spills or, where the amount discharged is possible to estimate</i>).
<p>See descriptions above</p>

<p>Identify any specific coordination with the health department in response to illicit discharge elimination for failed or failing septic fields, or identify if any septic systems have been eliminated in your community and hooked up to the municipal system.</p>
<p>No failing septic systems</p>
<p>Describe the effectiveness of the program to prevent illicit discharges and the method used to assess effectiveness.</p>
<p>Residents seem to respond well to the educational efforts regarding illicit discharges</p>

New Point Source Discharges of Stormwater

Do you own or operate any NEW or previously unidentified stormwater discharges? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "yes," please indicate which discharge points are new on your outfall map or list.
Is your stormwater discharge point map attached or provided electronically? <input type="checkbox"/> Map is attached <input type="checkbox"/> Map is provided electronically <input checked="" type="checkbox"/> Other. Please explain in comments section.
Is your stormwater discharge point list attached or provided electronically? <input type="checkbox"/> List is attached <input type="checkbox"/> List is provided electronically <input checked="" type="checkbox"/> Other. Please explain in comments section.
Comments: Lists were submitted to EGLE in Early 2019 as Appendix 2 in the Illicit Discharge Elimination Plan revision as part of the 2016 MS4 Permit Application. Each community maintains an updated map of their MS4, with the help of GVMC Environmental Programs, or REGIS.

Soil Erosion and Sedimentation Control

Part 91 Administration Authority:

OCWRC

Post Construction Controls Activities Completed August 1, 2019 to December 31, 2020

The City of Hudsonville has adopted the Kent County Model Storm Water Ordinance for Storm Water Controls with some minor adjustments to fit our community.

ARTICLE IV. STORMWATER CONTROL

***Editor's note:** Ordinance No. 04-249, adopted 12-14-04, amended Art. IV in its entirety to read as herein setout. Former Art. IV pertained to similar subject matter and derived from Ord. No. 92, Arts. I--XI, adopted 7-13-82.

Cross references: Plumbing code, § 6-51 et seq.; drainage improvements and subdivisions, § 21-42.

The City requires specific practices for water quality and stream protection as follows:

Sec. 23-142. Stormwater discharge rates and volumes.

The city shall utilize the drain commissioner's minimum design standards for stormwater discharge release rates. However, if the city commission makes a specific finding that the drain commissioner's standards are insufficient, the city may establish minimum design standards for stormwater discharge release rates and require dischargers to implement on-site retention, detention or other methods necessary to control the rate and volume of surface water runoff discharged into a stormwater drainage system.

As described in Section 8 of the Ordinance, the City requires Low Impact Development practices through its storm water management standards at sites of new development and significant redevelopment if located in Zone A of the Township.

The Storm Water Ordinance includes regulations that adhere to the Floodplain Ordinance and the Soil Erosion and Sedimentation Control program of the City. When a site plan approval is requested, we require

the following pieces of information in relation to Storm Water Controls found in our Zoning Ordinance as referenced:

15-9.B.9

The description of measures to be taken to control soil erosion and sedimentation during and after completion of grading and construction operations. This description shall include the location of proposed retaining walls, dimension and materials of same, fill materials, typical vertical sections, and plans for restoration of adjacent properties, where applicable;

15-9.B.11

The location and elevations of existing water courses and water bodies, including county drains, and manmade surface drainage ways, 100-year floodplains, and all wetlands;

15-13.C

Standards for Site Plan Review Regarding Drainage provisions. Special attention shall be given to proper site drainage so that removal of storm waters will not adversely affect neighboring properties or overload watercourses in the area.

The City of Hudsonville's current Storm Water Ordinance (Chapter 23, IV, sections 110-203) requires a developer to provide the City with a "Maintenance Plan" that addresses long term maintenance on the drain or retention/detention pond. This Maintenance Plan must address who is responsible for the maintenance, what kind of maintenance will be required and how often. The engineers then determine if the Maintenance Plan is adequate and either approve or approve with corrections at the site plan approval phase.

How many developments were approved with storm water controls according to PCC?

No new Residential Developments during this reporting cycle. However, new and preowned Betten Baker Car Dealership built, and new Life Ems building also built.

Have any long-term operation and maintenance agreements been signed?

No new

How many inspections or enforcement/compliance of O&M agreements were conducted?

none

Explain how the Post Construction Controls have addressed other issues, such as protecting sensitive areas, directing growth to identified areas, encouraging infill development in higher density urban areas and areas with existing infrastructure, and/or maintaining or increase open spaces:

Staff and Contractor Training August 1, 2019 to December 31, 2020

Training Topic Area	Employee Group to Receive Training	Date of Training
MACC Green Infrastructure Seminar	Jill Frielink Bob Miller	August 14, 2019
New Employee Training videos from LGROW	13 new employees and City Commissioners participated by watching the provided educational videos	Given the ability to watch the presentations at their convenience

Other Actions

Please list any extra efforts your community has conducted above and beyond your commitments recorded above (e.g., stream buffer ordinance adoption, new management techniques, invasive species control, habitat enhancement/protection, logjam removal, stream/beach clean-ups, etc.) that have helped implement the **Lower Grand River Watershed Management Plan**:

City participated in the ReLeaf program 11/2/2019

Please list any other actions your community has conducted to reduce stormwater pollution:

Events the community participated in (virtual or in person), and dates:
Covid cancelled the Green Cleaning Event to be hosted by LGROW at Gary Byker Memorial Library

City Hall lobby has display of various topics related to stormwater

MS4 Community Annual PEP Checklist + Report

August 1, 2019-December 31, 2020 Reporting Period: Check the box for each action you completed and provide supporting documentation where indicated. The 2019-2020 PEP Focus Areas were: Personal watershed stewardship, Personal actions that can affect the watershed, Waste disposal assistance

Community Name: City of Hudsonville

2019-2020 Prioritized Activities:

1. Ensure Community website links to the LGROW website (www.LGROW.org)

https://www.hudsonville.org/storm-sewer-information

2. Publish at least 1 article on PEP topics in Community newsletter or news outlet

Name of newsletter/news outlet: Hudsonville Hometown News/ City of Hudsonville Facebook

Distribution/Reach of newsletter/news outlet: Distribution/Reach

PEP Topic(s) addressed: General Watershed Awareness Stormwater Discharge Location/Impacts

Illicit Discharge Reporting Septic System Management Personal Actions

Waste Management Assistance

***Attach a copy of newsletter or link to online article:** Link to online article

3. Community presence or Stormwater Display at 1 event or location

Event Date: Click or tap to enter a date.

Event Location: Enter Event Location

***Attach a photo of event/display; List additional/multiple events at the end of this form**

4. Distribute pollution prevention information to at least 2 targeted businesses/groups listed in PEP

<i>Names of Businesses</i>	<i>Title(s) of Material(s) Distributed</i>
Business 1	Material Name
Business 2	Material Name
Business 3	Material Name

5. Share household hazardous waste reduction information with residents via Community's social media, newsletter, or website (You may attach the PEP Social Media Report in lieu of this question if you have multiple social media posts on multiple PEP categories to report)

Date shared: List attached of the posting on City of Hudsonville Facebook page

Location shared: Platform shared on (FB, Instagram, LinkedIn)

Social Media Post Reach: #

Social Media Post Engagement: #

***Attach a screenshot of a representative social media post, copy of newsletter, or link to community website:** Link to community website.

6. Distribute giveaway items for selected PEP categories

Item	# Distributed	Item	# Distributed
LGROW Chapstick	<u>10</u>	Pet Waste Bag Dispenser	<u>8</u>
LGROW Shopping Bag	<u>15</u>	Troutie Coloring Book	<u>3</u>
Trout Stress Ball	#	WMEAC Coloring Book	#
LGROW Pen	#	Paint by Number	#
Only Rain Snap Bracelet	#	Watershed Brochure	#
Reusable Straw	#	EPA Stormwater Solution Brochure	#
HHW Magnet	#	Other	#

Other Activities

7. Cohost a LID/Green Infrastructure workshop for Community members with LGROW

Workshop Date: Green Cleaning Workshop

Workshop Location: Gary Byker Memorial Library

of Attendees: cancel event due to Covid

****Attach a copy of workshop sign-in sheets or photos if available***

8. Host, participate in, or support a stream cleanup effort

Cleanup Date: Click to enter a date.

Cleanup Location: Stream name and cleanup location

of Volunteers:

****Attach a copy of volunteer sign-in sheets or photos if available***

9. Mark storm drains or host/support storm drain marking events

Storm Drain Marking Event Date: Click to enter a date.

of Participants in Event:

of Storm Drains Marked:

of Pre-Marked or Stamped Drains already existing in Community:

10. Join or Promote Adopt a Drain Program

Date(s) of program promotion: Click enter a date.

Method of program promotion: Promotion Method

Social Media Metrics (Post Reach, Post Engagement): Post Reach, Post Engagement

****LGROW will create a report of the number of drains adopted in your Community***

11. Provide presentation on PEP topics to a school in your Community

Date of presentation: Click to enter Date

Location of presentation: Location

of Students Reached:

12. Implement EPA SepticSmart Social Media Guide during SepticSmart Week

Provide Social Media Metrics (Post Reach, Post Engagement): Post Reach, Post Engagement

13. Post 1 new educational sign on PEP topics on Community property

Sign Location: Name or Address of Sign Location

PEP Topic(s) addressed: General Watershed Awareness Stormwater Discharge Location/Impacts\

Illicit Discharge Reporting Septic System Management Personal Actions

Waste Management Assistance ****Attach a photo of the educational sign; Note that this activity is not required in 2020, but is required by December 31, 2023.***

Other Public Engagement Activities Completed

Use this space to provide additional detail on Public Engagement Activities described above or to describe other Public Engagement Activities completed in your Community during the reporting period. You may also report any adjustments your Community made to Public Engagement as a result of limitations due to COVID-19 in this space.

Click or tap here to enter text.



Snow Plow

- Snow Plow drivers in the City of Hudsonville start their day between 4 a.m. & 5 a.m.
- The Snow Plow can haul 10 tons of salt, which is about the same weight as 20 male polar bears.
- Our Snow Plows are responsible for keeping 30 miles of streets clear from snow. If you stretched these streets end to end, they could take you from Hudsonville all the way to Grand Haven State Park!

Year	Make	Model
2017	International Dump Truck	7000 Series

CAT Backhoe

- When it's digging, the CAT Backhoe can reach 20 feet into the ground, which is the same height as a full-grown giraffe!
- The CAT Backhoe has stabilizer legs that the operator puts down before digging with the backhoe bucket to give it stability.
- The backhoe is made up of three parts: the bucket, the stick, and the boom.

Year	Make	Model
2011	CAT	420E

Street Sweeper

- The sweeping path of the Street Sweeper is 10 feet wide, so it could clean up 16 pencils laid end to end all at the same time.
- All of the debris that the Street Sweeper collects must be hauled to the dump as hazardous material.
- Each year, the Street Sweeper picks up an average of 80 tons of debris. That is the equivalent of 10 elephants worth of debris!

Year	Make
2004	Elgin Pelican Street Sweeper

Case Loader

- The Case loader can scoop 3 yards of dirt in a single scoop, enough dirt to fill an average kitchen sink 35 times.
- The bucket is strong enough to scoop up a mini van and move it!
- Without carrying a load, the Case Loader weighs 26,083 pounds. That's about the same weight as 104 refrigerators!

Year	Make	Model
1995	Case	621B

RELEAF TREE PLANTING NOV. 2, 2019

