

# **City of Mt. Juliet**

# **Stormwater Management Plan**

TNS075451

Permit Cycle 2022

### Purpose

The City of Mt. Juliet has been assigned the designation of small MS4 and assigned a Small Municipal Separate Storm Sewer System and assigned Tracking Number TNS075451 with an effective date of September 1, 2022. Mt. Juliet was granted the designation of MS4 under the authority of the Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101) and from the approval form the United States Environmental Protection Agency under the Federal Pollution Control act, as amended by the Clean Water Act of 1977 (33 U.S.C 1251) and the Water Quality Act of 1987, P.L. 100-4. City of Mt. Juliet is authorized to discharge stormwater runoff into waters of the state in accordance with the various eligibility criteria, administrative procedures, program requirements, reporting requirements, etc. set out in Tennessee Small Municipal Stormwater Sewer System NPDES general permit issued September 1, 2022.

### Regulatory Authority

- Foundation for surface water quality regulations 1984 Federal Water Pollution Control Act (FWPCA)
- 1972, FCPCA was reorganized and expanded, and subsequently amended (principally 1977,1987); referred to as the clean water act (CWA).
- 1977 Tennessee Water Quality Act.

### Area of MS4 Authority

The permit covers all areas of the MS4 operated by the city. Newly urbanized areas annexed to the MS4 will be added to the MS4 authorized area. Annexation records are held by the City of Mt. Juliet Recorder and are distributed to the Stormwater Division regularly. All areas within the Corporate City Limits are covered by the City of Mt. Juliet MS4.

### Supporting waters

Cedar Creek

North Creek

### Non-Supporting Waters

Stoners Creek

TN05130203035\_200

Escherichia Coli (E. Coli)

Grazing in Riparian Shoreline Zone

12.6 miles

Silver Springs Branch

TN05130201011\_100

Alteration in streamside or littoral vegetative covers

Municipal (Urbanized high-density area)

2.54

#### Scotts Creek

TN05130203035\_0100

Nutrients

Municipal (Urban high-density area)

Escherichia Coli (E. Coli)

Sedimentation

4.7 miles

#### Unnamed Tributary to Cedar Creek

TN05130201011\_1100

Municipal (Urban high-density area)

1.5 miles

#### TMDL

Currently no TMDL is established for individual water courses in the City Limits of Mt. Juliet. TMDL's have been established for Stones River watershed for E. coli. City of Mt. Juliet does not own or operate a wastewater treatment plant within the Stones River Watershed. The TMDL does require the City of Mt. Juliet to obtain MS4 permit coverage and operate minimum control measures the Maximum Extent Practical (MEP) for the control measures.

#### Monitoring

City of Mt. Juliet will test waters within the MS4 that have been designated as nonporting by TDEC from the latest approved 303.d list. Testing will be done by the prescribed analytical and non-analytical methods laid out in the MS4 permit. Testing will be done by a third party and certified lab. Results will be made public in the annual report and a copy of all testing material and results will be sent to TDEC.

Environmental field office for Wilson County  
Nashville EFO  
711 R.S. Gass Boulevard  
Nashville TN 37216  
615-687-7000

# Public Education and Outreach on Stormwater Impacts

## Public:

Management Measures: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. General awareness of the impacts of water quality
- b. Awareness of the importance of maintenance activities for operators of permanent Best Management Practices (BMP) / Stormwater Control Measures (SCM)
- c. Awareness of the proper storage, use, and disposal of pesticides, herbicides, fertilizers, oil and other automotive related fluids
- d. Awareness of identifying and reporting procedures for illicit connections / discharges, sanitary seepage, spills, etc.

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **3 Per each reporting year**

## Annual Report Requirements

Total number of activities conducted

Description of each activity

Date of each activity

Management measures addressed, specific target audience description

Approximate number of that audience that was reached

For sponsored activities only: Identify if the event sponsored monetarily or as donated in kind

## Measurable Goal:

Automotive Mail out

Pesticide Mail Out

TNSA Facebook & Instagram

### Engineering and Development Community:

Management Measure: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. Awareness of the stormwater ordinances, regulations, and guidance materials related to long-term water quality impacts; and
- b. Awareness of stormwater ordinances, regulations, and guidance materials related to construction phase water quality impacts.

Engineering and Development Community Management Measure:

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **1 Per each reporting year**

Approximate number of that audience that was reached

### **Measurable Goal:**

Yearly Contractor Breakfast or Lunch with Education and program updates

### Employee

Management Measure: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. Awareness of water quality impacts from daily operations
- b. Pollution Prevention and Good Housekeeping
- c. The awareness of identifying and reporting procedures for illicit connection / discharges, sanitary sewer diversions or seepages, spills.

### **Measurable Goal:**

New Employees trained within 6 months of hire – in house video or training talk.

Existing employees trained once per permit cycle- in-house video.

## **Public Involvement / Participation**

### General Public:

Management Measure: Conduct activities as described in the plan targeted to address the following issues:

- a. Pollution Prevention
- b. Impacts on water quality or local stormwater management issues
- c. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers use
- d. Identifying and reporting procedures for illicit connection / discharges, sanitary sewer seepage, spills, etc.

MS4 Population at NOI submittal **25,001-50,000**

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Approximate number of that audience that was reached

For sponsored activities only: Identify if the event sponsored monetarily or as donated in kind

**Measurable Goal:**

Urban Water 5K

Wilson Bank and Trust Builder Fair

Tennessee Environmental Council Tree Day

Fiddlers Grove Spring Fest in The Grove

#### Commercial and Development Community

Management Measure: Conduct activities as described in the plan targeted to address the following issues:

- a. Pollution Prevention
- b. Impacts on water quality or local stormwater management issues

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **1 Per each reporting year**

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **1 Per each reporting year**

Annual Report Requirements

Total number of activities conducted

Description of each activity

Date of each activity

Specific target audience

Approximate number of that audience that was reached

**Measurable Goal:** Continue Hot Spot Program

## IDDE – Illicit Discharge Detection & Elimination

### City Codes

Illicit Discharge – City of Mt. Juliet Stormwater Ordinance Section 8

Illicit Connections- City of Mt Juliet Stormwater Ordinance Section 8

Notification of Spills- City of Mt. Juliet Stormwater Ordinance Section 8

### Hazardous Material Spills & Cleanup

Wilson County Emergency Management Agency is responsible for Hazardous Materials Spills, and cleanup. In the event of an emergency Mt. Juliet Fire Department would respond and provide additional resources as needed. City of Mt. Juliet Stormwater would provide guidance if requested under the Incident Command System structure. City of Mt. Juliet Stormwater has retained a copy of Wilson County Emergency Management Agency Spill Response Plan on file. WEMA has jurisdiction within the MS4 for emergency and life-threatening HAZMAT situations.

### Storm System Map

City of Mt. Juliet has developed a storm system sewer map. Maps are maintained by the GIS Department and regular updates are made. Storm sewer map includes major and minor storm systems, outfalls, streams, catch basins, pipes, ponds, bio retention, pervious paving materials, and water quality

units. After each new residential and commercial project is built, data is loaded to the GIS stormwater layer. The public has access to the stormwater GIS map by accessing the city website.

#### IDDE

City of Mt. Juliet has developed a hot spot list of business with the most potential to cause pollutants to be introduced into the stormwater system. Yearly inspections are made to businesses on the hot spot list, an inspection is conducted, reports of the findings kept by the city, as well as educational materials are left with the business. All new business licenses are also reviewed to cross reference potential for being added to the hot spot list. The current Hotspot list consists of large car dealerships with inventory stored outside without cover that have repair facilities and ready-mix concrete operations. If Elicit Discharges are observed enforcement action will commence with guidance from the City of Mt. Juliet Enforcement Response Plan (ERP).

Current hot spot list:

Andrews Cadillac

Premier Dodge

Two Rivers Ford

Music City Honda

Tri Green Equipment

IMI Ready Mix Concrete

Nashville Ready Mix

#### Hot Line

City of Mt. Juliet maintains a hot line for citizens to report any Illicit Discharge. Hotline contact information is distributed at community events and is publicized on the Stormwater web page. Hotline complaints can be phoned in, emailed, mailed, or reported by the 311 or see click fix application. Reports of Illicit Discharge are investigated within seven (7) days from the date of the complaint. City of Mt. Juliet can also utilize the storm sewer map to assist in tracking the path and origin of any Illicit Discharge. Records of Illicit Discharge complaints and investigations are kept with the Stormwater Department. The public has access to Illicit Discharge Records by completing a Public Information Request.

#### Enforcement

Illicit discharges shall be eliminated within 14 days after discovery by the City of Mt. Juliet Stormwater Department. If Illicit Discharges will take longer than 14 days to eliminate a corrective action plan by the owner or developer must be presented and approved by the city. Enforcement action will be consistent with the City's Enforcement Response Plan (ERP) and can include but is not limited to written notices of violation, Citations, Civil Penalties, and administrative orders. All expenses associated with an illicit discharge shall be the responsibility of the developer and/or property owner. If a responsible party for



an Illicit Discharge or source of an Illicit Discharge can not be located within 14 days, then the investigation shall be referred to TDEC.

# Construction Site Runoff Control

## Regulations

City of Mt. Juliet Stormwater Ordinance

City of Mt. Juliet Subdivision Regulations

TDEC Erosion and Sediment Control Handbook

Tennessee Construction General Permit

*City of Mt. Juliet to update ordinances to become compliant with Construction General Permit (CGP) effective October 1, 2021 within 24 months by September 30<sup>th</sup> 2022.*

## Plan Review and Approval

City of Mt. Juliet Engineering Division shall have the responsibility of reviewing all new development and redevelopment project sites over one acre, under one acre but part of a common plan of development, and projects over 5,000 square feet. Engineering will only review plans after projects have received Planning Commission and Board of Commissioners approvals and have fulfilled pre-application meeting requirements that are gate keepers for Planning Commission and Board of Commissioners. Residents and the public have the ability to comment on development projects at the Board of Commissioners and Planning Commission during open public comment portions of the meetings. Meetings are aired live on local government TV channel and can be accessed on the City's website. Comments can only be delivered in person at the meetings. Agendas for each meeting are published before the meeting and are available at City Hall or online via citizens legislative portal on the City's website. City of Mt. Juliet Engineering will keep records of approved and denied plans, as well as plans sent back to the engineer of record for clarifications and/or changes. Engineering will maintain checklist for erosion control measures, design storms and requirements from the Construction General Permit (CGP) effective October 1, 2021. Engineering will also keep records and checklists pertaining to Water Quality plan reviews for the 2022 MS4 permit including buffers and SCM design and approval. When plans are approved by Engineering, they are stamped approved for construction by the City of Mt. Juliet.

## Job Files

City of Mt. Juliet maintains a job file for each active and permitted construction sites. Job files are accessible to the public via Public Information Request Form. Job files must be complete prior to scheduling a Pre-Construction Meeting and before any permits are issued. Job Files include, but are not limited to:

TDEC NOI  
TDEC NOC  
TDEC ARAP  
SWPPP  
Corps of Engineers Permits  
Long Term Maintenance Agreements  
Long Term Maintenance Plans  
Soils Reports  
Drainage Reports  
TDEC Level 1 Inspector certification  
General Contractor License  
Blasting License  
Liability Insurance  
Photo ID of Blaster  
Municipal Inspection Reports  
Approved Stamped Plan

#### Pre-Construction Meeting

City of Mt. Juliet will hold preconstruction meeting for all development projects over 5,000 square feet regardless of priority site or non-priority site status. At a minimum the meeting will be attended by Stormwater staff, Engineer of record, General Contractor, Grading and Utility Contractor, TDEC Level 1 Inspector, Owner/Operator, and Erosion Control Installer.

Topics Covered at Pre-Construction Meeting:

SWPPP Box  
Rain Gauge  
Rain Log  
Contact information  
Twice Weekly Inspections  
Inspection Log  
CGP, NOI, ARAP documentation

EPSC Measures (installation, maintenance, repair, removal)

Phased EPSC sheets

Stabilization

Blasting

Open Burning

Final requirements

Stabilization

Construction Exit

Track Out

Street Cleaning

Outfall

Work Hours

Complaints

Utility Installation

SCM Installation

As Built Plan

Closing Documents

Chemical Storage

Concrete Washout

Fueling Operations

Notice of Termination

Final Inspection Request Form

#### Electronic Files

City of Mt. Juliet maintains electronic database for construction sites that have been issued Land Disturbance Permits and Erosion Control Permits. Enforcement Actions are also listed on the electronic files system. General Public can obtain information about electronic files by Public Information Request Form.

### Inspections

City of Mt. Juliet will perform construction site inspections on all priority construction sites at a minimum of once per month and ten percent of all non-priority construction sites at a minimum.

Records and report forms from construction sites will be kept in project specific job files. The date of the inspection will be kept on electronic files. Any member of the public that wishes to obtain copies by do so by requesting a Public Information Request.

### Buffers

Buffers to be established by ordinance of 30 feet for supporting and 60 feet for no supporting streams.

### Land Disturbance Permits

Land Disturbance Permits are to be issued for projects over one acre, projects that are part of a common plan of development, or over 5,000 square feet. Land Disturbance permits are not to be issued until plans have been approved by engineering and a pre-construction meeting has been held and fees have been paid. Fees for Land Disturbance Permits are based upon the number of acres disturbed.

### Erosion Control Permit

Erosion Control Permits are issued for projects over one acre, projects that are part of a common plan of development, over 5,000 square feet. Erosion Control Permits are not to be issued until plans have been approved by engineering and a pre-construction meeting has been held and fees have been paid. Fees for Erosion Control Permits are based off the new impervious surface added to a development project.

## Permanent Stormwater Management Program

### Stormwater Control Measures

City of Mt. Juliet will maintain and updates the current Stormwater Control Measures (SCM) inventory. SCM inventory is maintained by electronic means and updated yearly with new SCM's. SCM's are also updated with as built drawings on the GIS layer by the City of Mt. Juliet GIS Department. Yearly inspections are conducted of all SCM's by the City of Mt. Juliet Stormwater Department. Inspection reports and pictures are filed via electronic means on the City of Mt. Juliet Z Drive. The General Public can access SCM inspection data via filling in a Public Information Request. Maintenance or repairs needed for SCM's are reported to the property owner and enforced by Recorded Long Term Maintenance Agreements that transfer with the Deed. City of Mt. Juliet also has the ability of enforcement using the Stormwater Enforcement Response Plan. City of Mt. Juliet will retain records on the number of SCM's inspected yearly, Number of SCM's functioning as designed, Number of SCM's needing maintenance or repair, as well as third party inspections of SCM's. NO permit shall be issued until a Long-Term Maintenance Plan is signed and recorded with the Wilson County Register of Deeds. SCM's are inspected during the construction process at time of installation and at final inspection. As

built drawings are required and reviewed for compliance at the end of the construction project before a Final Inspection is signed off. Letters from manufacturers are required for Underground systems and water quality units. Testing reports and delivery tickets are required for bio filtration ponds.

#### Stormwater Mitigation Fund

City of Mt. Juliet does not plan on starting a Mitigation Fund this permit cycle.

## Pollution Prevention/ Good Housekeeping

#### Employee Training

Each employee of Public Works, Parks, and City Beautiful employed after November 1<sup>st</sup>, 2022, will be trained. Subject matters covered will include IDDE, Spill Prevention, Spill Clean Up, Good Housekeeping for Municipal Operations, and chain of command for reporting problems. Employees hired after November 1, 2022, will be trained within 6 months of hire. Public Works has set up an internal system for Public Works, Parks, and City Beautiful employees receive a form from Human Resources when new hire paperwork is being completed. The Form alerts the Storm Water Department to the name, contact number, supervisor, and position the employee is being hired for. Storm Water schedules training from that point.

#### Operation and Maintenance (O&M) Program

##### Streets

City of Mt. Juliet Streets Department has the responsibility to maintaining streets, sidewalks, and storm systems within the public right of way. Operations within the Street Department include overseeing of repaving projects, patching potholes, fixing broken or damaged sidewalks, restriping roadways and municipal parking lots, cleaning of storm systems within the right of way, street sweeping, and maintaining traffic signals and signs. Street Sweeping is done on a constant basis within the city using a street sweeper. When the street sweeper is filled it is dumped into a roll-off dumpster. When the roll-off dumpster is filled it is transported and disposed of at Middle Point Landfill. When complaints are received Street crews clean storm pipe and catch basins with a vacuum truck. When the Vacuum truck is full it is dumped at sanitary sewer pump station. City of Mt. Juliet no longer paints lines in parking lots but utilizes thermos plastic markings. City Beautiful also picks up trash along the roadways daily and empties trash cans along N. Mt. Juliet Road and at City Hall, and the Music City Starr station. Parks crews remove trash from parks, parking lots, and trash cans at City Parks and along the City Greenways.

### Municipal Parking Lots

Trash and debris are removed daily from municipal parking lots by City Beautiful and Parks Crews. Should the need arise the street sweeper can be used to clean the parking lots. Trash removed from parking lots are disposed of in trash dumpsters. Should a nonhazardous waste spill occur at a municipal owned facility a spill kit is located at the Parks Department and Street Department office.

### Maintenance and Storage Yards

Public Works maintains and Maintenance and Storage Yard on Clemmons Road. Equipment and material are stored under cover. Fueling operations of Diesel fuel only are done with a 500-gallon tank, which is stored under cover at the yard. A spill kit is located on the property. Maintenance is only performed within the shop bays. Washing and cleaning of vehicles and equipment are done in the wash bay under cover. Water is stored in the sump and is plumbed to the sanitary sewer.

### Fleet Shop

Public Works maintains and Maintenance and Storage Yard on Clemmons Road. Equipment and material are stored under cover. Fueling operations of Diesel fuel only are done with a 500-gallon tank, which is stored under cover at the yard. A spill kit is located on the property. Maintenance is only performed within the shop bays. Washing and cleaning of vehicles and equipment are done in the wash bay under cover. Water is stored in the sump and is plumbed to the sanitary sewer. Materials that are stored outside without cover are aggregates and topsoil. These materials are corralled in concrete bins. Used oil is stored under cover and removed by third party contractor.

### Salt Storage

Salt Storage as well as loading and unloading is done under cover in the salt shed. The salt shed is equipped with a concrete floor for sweeping materials. Brine making equipment along with brine tanks are stored under cover in the salt shed. Parks operates a small equipment shop at Mundy Park for maintenance of lawn mowers. Excess motor oil is stored in a 55-gallon drum under cover. Mundy Park has been furnished with a spill kit in the event of a nonhazardous spill can be contained and cleaned up.

### Snow Disposal Area

City of Mt. Juliet does not operate a snow disposal area. Snow operation consists of plowing, distributing Brine solutions of the roadway, and spreading of salt.

### Waste Disposal

City of Mt. Juliet contracts municipal waste to be removed by waste collection services. City of Mt. Juliet does not offer solid waste removal or transfer stations as a level of service. Transfer stations are operated outside the city limits by Wilson County Solid Waste.

### Inventory of Municipal Facilities

City Hall- parking lot, no treatment

Flows to Stoners Creek

City Beautiful Building – parking lot, no treatment

Flows to Stoner Creek

Police Annex – Parking lot, no treatment

Flows to Stoner Creek

Gun Range/ impound lot – Parking lot, Water Quality Swale

Flows to Cedar Creek

Fire Station 1 Belinda – parking lot, two Water Quality Ponds

Flows to Stoner Creek

Fire Station 2- Lebanon Road – Bio Retention

Flows to unnamed tributary to Cedar Creek

Police Department – parking lot, Bio Retention, Detention Pond

Flows to Cedar Creek

Charlie Daniels Park – Parking Lot, no treatment

Flows to Cedar Creek

Greenway- trail and parking lot, no treatment

Flows to Cedar and Stoners Creek

Eagle Park- parking, no treatment

Flows to Stoners Creek

Hamilton Denson Park- parking, Water Quality Unit, Detention Pond

Flows to Stoner Creek

Jones Park – parking, no treatment

Flows to Stoner Creek

Robinson Park- parking, no treatment (Does have a COE Protected Wetland)

Flows to Stoner Creek

Page Park- parking, no treatment

Flows to Cedar Creek

Bark Park- parking, no treatment

Flows to Stoners Creek

Mundy Park – parking, Bio Retention, Detention Pond

Flows to Stoners Creek

Greenway Bathroom, parking, Bio Retention, Detention Pond

Flows to Cedar Creek

Animal Control- parking, Water Quality Unit, Detention Pond

Flows to Stoners Creek

Music City Star Parking – parking, Water Quality Unit, 2 Bio Retention

Flows to Stoners Creek

Public Works Yard / Mechanic Shop – milling's parking surface, Detention Ponds

Flows to Cedar Creek

### **Total**

4 Water Quality Units

8 Detention Ponds

1 Water Quality Swale

6 Bio Retention

1 Protected Wetland

### **Inspections**

SCM's owned and operated by the city are inspected yearly. Reports of inspections are kept on file with the City of Mt. Juliet Stormwater Department and are available to the public by a Public Information Request. Maintenance or repairs are done by either Public Works or Parks staff.

### **Program Evaluation**

City of Mt. Juliet will find its program compliant if yearly measurable goals are met. Measurable goals allow the program to quantify element requirements of the MS4 permit. Summary of measurable goals include:

Employee training once per permit cycle

New hire training within 6 months of hire

Monitoring conducted once per permit cycle

3 Public activities each reporting year for public education



1 Public activity each reporting year for engineering and development community

3 Participation events a reporting year for the public

1 Public activity a reporting year for commercial community

Yearly Hotspot inspections at 100% inspected

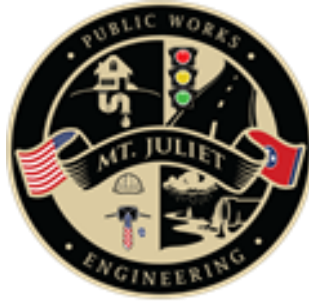
Yearly Municipal Inspections at 100% inspected

Yearly SCM inspections at 100% inspected

Maintain 100% of hotline IDDE inspections within 72 hours

100% of Priority Site construction sites inspected per month

10% of Non-Priority Construction Sites inspected per month



City of Mt. Juliet  
Public Involvement & Education Plan  
(PIE) Plan

October 1,2022

City of Mt. Juliet has developed a Public Involvement and Participation plan as required by the MS4 permit. The plan covers education and involvement activities at a minimum that the Stormwater Department will participate in yearly. Documentation of each activity will be kept by the Department and will be made public in the MS4 Annual Report sent to TDEC and Posted on the Public Works website. Meeting the minimum permit requirements under the MS4 permit will demonstrate that the measurable goals have been achieved to the maximum extent practicable (MEP). Mt. Juliet will notify TDEC if any of the planned Public Education or Public Involvement activities outlined in the Notice of Intent (NOI) change and will be made public via Annual Report sent to TDEC and placed for public viewing on the Public Works Website. Activities, along with target audiences, and frequencies are listed below:

Public:

Management Measures: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. General awareness of the impacts of water quality
- b. Awareness of the importance of maintenance activities for operators of permanent Best Management Practices (BMP) / Stormwater Control Measures (SCM)
- c. Awareness of the proper storage, use, and disposal of pesticides, herbicides, fertilizers, oil and other automotive related fluids
- d. Awareness of identifying and reporting procedures for illicit connections / discharges, sanitary seepage, spills, etc.

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **3 Per each reporting year**

Annual Report Requirements

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For sponsored activities only: Identify if the event sponsored monetarily or as donated in kind

**Measurable Goal**

Automotive Mail out

Pesticide Mail Out

TNSA Facebook & Instagram

Automotive Mail Outs- City of Mt. Juliet Stormwater maintains a list of automotive repair facilities within the City of Mt. Juliet. New Business licenses are cross referenced to see if they need to be added to the automotive list. Yearly public education is mailed in the form of pamphlets to automotive repair facilities. Subject matters covered include general awareness of impacts on water quality. Awareness on proper use, storage, and disposal of oil and automotive fluids are also covered.

Pesticide Mail Out- City of Mt. Juliet Stormwater maintains a list of Herbicide, Pesticide, and Fertilizer business within the City of Mt. Juliet. Mailing is targeted to retailers and landscape companies with the MS4, Agriculture operations are not targeted due to lack of Agriculture operations in the MS4. Yearly public education is mailed in the form of pamphlets to retailers and landscape companies. Subject matters include general awareness of impacts on water quality. Awareness on proper use, storage, and disposal of herbicides, pesticides, and fertilizers.

TNSA Facebook and Instagram- City of Mt. Juliet sponsors TNSA Facebook and Instagram Public Education posts. Topics covered include general awareness of water quality impacts. Awareness of the importance of maintenance activities for operators of permanent Best Management Practices (BMP)/Stormwater Control Measures (SCM). Awareness of proper use, storage, and disposal of fertilizers, pesticides, herbicides, and automotive related fluids. Awareness of identifying and reporting procedures for illicit connections/discharge, sanitary sewer seeping, spills, etc.

#### Engineering and Development Community:

Management Measure: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. Awareness of the stormwater ordinances, regulations, and guidance materials related to long-term water quality impacts; and
- b. Awareness of stormwater ordinances, regulations, and guidance materials related to construction phase water quality impacts.

Engineering and Development Community Management Measure:

MS4 Population at NOI submittal **25,001-50,000**

Minimum Number of activities conducted **1 Per each reporting year**

Approximate number of that audience that was reached

#### **Measurable Goal**

Yearly Contractor Breakfast or Lunch with Education and program updates

Yearly Contractor Breakfast or Lunch is a new BMP being implemented this permit cycle. City of Mt. Juliet will take the opportunity to provide lunch and have a presentation to local engineering and development community. Engineers and Contractors that have worked in the city over the past year will be invited. City of Mt. Juliet Stormwater will take the opportunity to discuss awareness of stormwater ordinances, regulations, and guidance materials related to water quality impacts and construction phase water quality impacts. Education materials may be passive and in pamphlet forms. New ordinances, regulations, and processes may also be discussed at the meeting.

### Employee

Management Measure: Conduct activities as described in the PIE plan targeted to address the following issues:

- a. Awareness of water quality impacts from daily operations
- b. Pollution Prevention and Good Housekeeping
- c. The awareness of identifying and reporting procedures for illicit connection / discharges, sanitary sewer diversions or seepages, spills.

### **Measurable Goal:**

New Employees trained within 6 months of hire – in house video

Existing employees trained once per permit cycle- in house video

Employees will be trained in house using training videos for new hires, existing employees will be trained by University of Tennessee Municipal Advisory Service (MTAS).

### General Public:

Management Measure: Conduct activities as described in the plan targeted to address the following issues:

- a. Pollution Prevention
- b. Impacts on water quality or local stormwater management issues
- c. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers use
- d. Identifying and reporting procedures for illicit connection / discharges, sanitary sewer seepage, spills, etc.

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**Measurable Goal:**

Urban Water 5K

Wilson Bank and Trust Builder Fair

Tennessee Environmental Council Tree Day

Fiddlers Grove Spring Fest in The Grove

Urban Water 5K- City of Mt. Juliet Stormwater sponsors Metro Nashville's Urban Water 5K and has a booth set up at the 5k where public education literature includes EPA after the storm and TNSA homeowners guide. Additionally, City of Mt. Juliet Stormwater distributes water and sports drinks to runners of the 5k before and after the race. Subjects included in the public education literature include pollution prevention and impacts on water quality. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers are also covered.

Wilson Bank and Trust Builder Fair- City of Mt. Juliet sets up a booth at the yearly builder fair and distributes rain gauges to the public. Public education literature including EPA after the storm and TNSA homeowners guide. Subjects included in the public education literature include pollution prevention and impacts on water quality. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers are also covered.

Tennessee Environmental Council Tree Day - City of Mt. Juliet serves as a sponsor and a distribution site for TEC Tree Day assisting in giving away trees to the public and donors to TEC. During Tree Day public education literature including EPA after the storm and TNSA homeowners guide. Subjects included in the public education literature include pollution prevention and impacts on water quality. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers are also covered.

Springfest in the grove- City of Mt. Juliet Stormwater participated in spring fest in the grove an annual event sponsored by the Fiddlers Grove Association that is an artesian fair and fund raiser for the Wilson County Master Gardner's. During spring fest public education literature including EPA after the storm and TNSA homeowners guide. Subjects included in the public education literature include pollution prevention, impacts on water quality. Storage, use, and disposal of household hazardous automotive related fluids, pesticides, herbicides, and fertilizers are also covered.

Commercial and Development Community Management Measure: Conduct activities as described in the plan targeted to address the following issues:

- a. Pollution Prevention
- b. Impacts on water quality or local stormwater management issues

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Specific target audience

Approximate number of that audience that was reached

**Measurable Goal:** Continue Hot Spot Program City of Mt. Juliet has developed a hot spot list of business with the most potential to cause pollutants to be introduced into the stormwater system. Yearly inspections are made to businesses on the hot spot list, an inspection is conducted, reports of the findings kept by the city, as well as educational materials are left with the business. All new business licenses are also reviewed to cross reference potential for being added to the hot spot list. Current Hotspot list consist of large car dealerships with inventory stored outside without cover that have repair facilities and ready-mix concrete operations.

#### Current hot spot list

Andrewes Cadillac

Premier Dodge

Two Rivers Ford

Music City Honda

Tri Green Equipment

IMI Ready Mix Concrete

Nashville Ready Mix



City of Mt. Juliet  
Enforcement Response Plan  
(ERP)  
October 1, 2022



## Legal Authority

### City of Mt. Juliet Stormwater Ordinance

## Enforcement Response to Stormwater Violations

**Verbal Warnings** – Verbal warnings, at a minimum, must specify the nature of the violation that exists and required actions to bring the violation back into compliance. Verbal Warnings may be given at the discretion of the storm water Department when it appears that the violation can be corrected by the violator within a reasonable time frame, which shall be approved by the storm water department.

**Written Warning** – Written warnings, at a minimum, must specify the nature of the violation that exists and required actions to bring the violation back into compliance. Written warnings may be given at the discretion of the storm water department when it appears that the violation can be corrected by the violator within a reasonable time frame, which shall be approved by the Stormwater Department.

Written warnings may be in a letter or email form. Written notices will specify the nature of the violation, required corrective action, and a follow-up inspection date.

**Notices of Violation (NOV)** – Notices of Violation shall be written on an official Notice of Violation form from the City of Mt. Juliet Storm Water Department. NOV's must specify the nature of the violation and the required corrective action as well as a follow-up inspection date. Nov's may require additional information, actions, testing, designs, or modifications to bring the violation into compliance. NOV's may require written responses and corrective action plans from the violator. NOV response plans must be submitted to the City of Mt. Juliet Stormwater Coordinator. Submitting a NOV response plan does not relieve the party committing the violation of any violations that occur either before or after the receipt of the NOV. Monetary penalties (Civil Penalties & Administrative Penalties) may be assessed for NOV's at the City of Mt. Juliet's discretion.

**Consent Orders** – City of Mt. Juliet is empowered to enter consent orders, assurance of voluntary compliance or other similar documents establishing an agreement with the person responsible for the noncompliance. Consent Order's will include specific corrective actions to be taken to correct the noncompliance along with a specified time to finish the corrective actions. Consent Orders have equal force and effects as administrative orders, compliance orders, and cease and desist orders.

**Citations** – Citations to Municipal Court may be issued to the person responsible for a violation. The schedule of court dates are delegated to the Police Department Records Division for the next available open court date.

**Show Cause Hearing** – City of Mt. Juliet Stormwater may order a show cause hearing to a person who violates the stormwater ordinance, or permit, or order issued to show cause why a proposed enforcement action should not be taken. City of Mt. Juliet Stormwater Department must notice the hearing to the responsible person and serve them the time and place for the meeting, the proposed action, the reason for the proposed enforcement action and a request for the violator to show cause why this proposed enforcement action should not be taken. Show Cause meeting notice must be served in person or delivered by registered or certified mail (return receipt requested) at least (10) days before the hearing.

Compliance Order – When the City of Mt Juliet Stormwater Department finds that any person has violated or continues to violate the stormwater ordinance, a permit issued under the ordinance or any order issued hereunder, a compliance order may be issued to the violator directing that, following a specific time, adequate structures or devices be installed and / or procedures implemented and properly operated.

Stop Work Orders “Cease and Desist” – The City of Mt. Juliet may issue a stop work order to any person who has violated or continue to violate the stormwater ordinance, permit condones, or any order issued hereunder. Stop works shall be posted on site. No work or limited work will be directed by the stop work order. Members of the City of Mt. Juliet Stormwater will remove the stop work order when conditions or milestones corrective actions have been met. Work that may continue in limited scope may include cleanup, terminating discharges, and installing appropriate control measures.

Suspension, Revocation, or Modification of Permit – The City of Mt. Juliet may suspend, revoke, or modify the permit authorizing the land development project or any other project of the applicant or other responsible person. A suspended, revoked, or modified permit may be reinstated after the applicant or other responsible person has taken the remedial measures set forth in the Notice of Violation (NOV) or has otherwise cured the violation(s) described in the enforcement action, provided such permit may be reinstated upon such conditions as the City of Mt. Juliet may deem necessary to enable the applicant or other responsible person to take the necessary remedial measures to curve such violation(s).

Civil Penalties – City of Mt. Juliet Stormwater may access a civil penalty on any person or permittee violating the Stormwater Ordinance or conditions of permits. Penalties shall be no less than \$50.00 per day per violation and no more than \$5,000.00 per day per violation. Each day of the violation shall constitute a separate violation. City of Mt. Juliet Stormwater may consider the following in assessing civil penalties for violations:

- The harm done to the public health or the environment

- Whether the civil penalty imposed will be a substantial economic deterrent to the illegal activity

- The economic benefit gained by the violator

- The amount of effort put forth by the violator to remedy the violation

- Any unusual or extradentary enforcement cost incurred by the municipality

- The amount of penalty established by ordinance

- Any equites of the situation which outweigh the benefit of imposing any penalty or damage assessment.

Recovery of Damages and Cost – In addition to civil penalties, the City of Mt. Juliet may recover all damages proximately caused by the violator to the City, which may include reasonable expenses incurred in investigating violations of, and enforcing compliance with the Stormwater Ordinance, or any other actual damages caused by the violation. City of Mt. Juliet may also consider cost of the City’s

maintenance of stormwater facilities when the user of such facilities fails to maintain them as required by the Stormwater Ordinance, Permit, or Long-Term Maintenance Agreement.

NPDES Permit Referrals – For known sites involving industrial stormwater discharges where discharges should also be covered by a state NPDES (Multisector Permit), and where a known sites does not have a state NPDES (Multisector Permit) the City of Mt. Juliet must notify TDEC about discharges through the local EFO. The following information must be supplied to the local EFO:

Facility Location

Name of the owner or operator

Type of Industrial Activity (including SIC Code if known)

Records of communication with the owner or operator

NPDES Construction Project – For construction sites involved without state NPDES Permitting a stop work shall be issued until such time an NPDES permit is obtained from TDEC, and local permitting requirements are met. The following information must be supplied to the local EFO:

Facility Location

Name of the owner or operator

Estimated disturbance area

Records of communication with the owner or operator

Where the City has used progressive enforcement to achieve compliance and in the judgement of the City of Mt. Juliet has not been successful, the city may refer the violation to TDEC through the local EFO. The following information must be supplied to the local EFO:

Construction Project location

Name of the owner or operator

Estimated disturbance area

Records of communication with the owner or operator

Recordkeeping – All noncompliance instances must be tracked either electronically or using paper files. Recordkeeping must include all records and documents related to stormwater ordinance violations. Records will be kept for construction projects in the development folder. City of Mt. Juliet will use the noncompliance records to identify chronic violators and use this information to work toward reducing the rate of noncompliance relapse. Reduction strategies can include applying incentives and / or disincentives and increasing the inspection frequency for an operators' site. Should the City of Mt. Juliet be forced to repair an operators' site so that a violation of the ordinance will cease records of repair and expenses incurred by the city shall be kept with the enforcement file. Enforcement records shall be kept for a length to comply with state law.

## **Enforcement Matrix**

Verbal Warning

Written Warning

Notice of Violation without Penalty

Notice of Violation with Penalty

Citation to Municipal Court

Stop Work Order

Show Cause Hearing

Compliance/Consent Order

TDEC Referral

Other Legal Action

Enforcement matrix may be applied to any construction project, IDDE site, or post construction site. City of Mt. Juliet may also use additional enforcement authorities such as bonds, pulling of bonds, withholding of inspections from Building Codes, and withholding of plat releases, and withholding of signing of plats.



City of Mt. Juliet

Publicizing Plan

October 1, 2022

City of Mt. Juliet shall publicize public education events, public participation events, and Public Meetings where the public can comment on development projects. Publicizing may also be done with partnering groups and organizations for events. When required by law or ordinance the City of Mt. Juliet may also publicize notices with newspapers in general circulation in the area.

Electronic publicizing will be the preferred means of communication with the public. City of Mt. Juliet web site, Government access Television Channel, City of Mt. Juliet Facebook, as well as web sites with partnering organizations and other MS4's will be used primarily for public education events and public participation events. Official City meetings with the Board of Commissioners and the Planning Commission that are platforms for Public Comment and input are advertised on the City of Mt. Juliet web page and have regular stated meeting times that are publicized. Traditional publicizing by means of flyers, banners, radio, newspaper, and TV ads may also be used.

City of Mt. Juliet has created a Public Information Officer. All official city communication to the public shall be generated with the help and support of the Public Information Officer. City of Mt. Juliet Stormwater shall not have the authority to advertise or post messaging without the consent of the Public Information Officer.

#### Certification

Level One – Adam Meadors, Chad Swallows, Wesley White

Level Two – Charles Hunt



City of Mt. Juliet  
Operations & Management Plan

O&M

October 1, 2022

### Employee Training

Each employee of Public Works, Parks, and City Beautiful employed at After November 1<sup>st</sup>, 2022, will be trained. Subject matters covered will include IDDE, Spill Prevention, Spill Clean Up, Good House keeping for Municipal Operations, and chain of command for reporting problems. Employees hired after November 1, 2022 will be trained within 6 months of hire. Public Works has set up an internal system for Public Works, Parks, and City Beautiful employees receive a form from Human Resources when new hire paperwork is being completed. The form alerts the Storm Water Department to the name, contact number, supervisor, and position the employee is being hired for. Storm Water schedules training from that point.



Training by MTAS

### SDS

City of Mt. Juliet maintains Safety Data Sheets of chemical and products used. Environmental information can be found on the Safety Data Sheets. SDS sheets are located at 71 E. Hill Street.



## Operation and Maintenance (O&M) Program

### Streets

City of Mt. Juliet Streets Department has the responsibility to maintaining streets, sidewalks, and storm systems within the public right of way. Operations within the Street Department include overseeing of repaving projects, patching potholes, fixing broken or damaged sidewalks, restriping roadways and municipal parking lots, cleaning of storm systems within the right of way, street sweeping, and maintaining traffic signals and signs. Street Sweeping is done on a constant basis within the city using a street sweeper. When the street sweeper is filled it is dumped into a roll-off dumpster. When the roll-off dumpster is filled it is transported and disposed of at Middle Point Landfill. When complaints are received Street crews clean storm pipe and catch basins with a vacuum truck. When the Vacuum truck is full it is dumped at sanitary sewer pump station. City of Mt. Juliet no longer paints lines in parking lots but utilizes thermos plastic markings. City Beautiful also picks up trash along the roadways daily and empties trash cans along N. Mt. Juliet Road and at City Hall, and the Music City Starr station. Parks crews remove trash from parks, parking lots, and trash cans at City Parks and along the City Greenways.





Street sweeper with vacuum to clear catch basins

### Municipal Parking Lots

Trash and debris are removed daily from municipal parking lots by City Beautiful and Parks Crews. Should the need arise the street sweeper can be used to clean the parking lots. Trash removed from parking lots are disposed of in trash dumpsters. Should a nonhazardous waste spill occur at a municipal owned facility a spill kit is located at the Parks Department and Street Department office. City Beautiful also picks up trash along the right of way and a public waste receptacle along Mt. Juliet Road



### Maintenance and Storage Yards

Public Works maintains and Maintenance and Storage Yard on Clemmons Road. Equipment and material are stored under cover. Coarse and fine aggregate are stored in bins. Equipment and trucks are stored under cover in designated parking spots.



Topsoil bin stored under cover and in a bin



Aggregate stored in bins



Fuel tank, double walled, stored under cover.

### Fleet Shop

Public Works maintains and Maintenance and Storage Yard on Clemmons Road. Equipment and material are stored under cover. Fueling operations of Diesel fuel only are done with a 500-gallon tank, which is stored under cover at the yard. A spill kit is located on the property. Maintenance is only performed within the shop bays. Washing and cleaning of vehicles and equipment are done in the wash bay under cover. Water is stored in the sump and is plumbed to the sanitary sewer. Used oil is stored under cover and removed by third party contractor.



Clemmons Road Shop

New and used automotive fluids are stored inside under cover at the Clemmons road shop building.



Clemmons Road Spill Kit





115 Clemmons Road Spill Kit



City Wash Bay

## Salt Storage

Salt Storage as well as loading and unloading is done under cover in the salt shed. The salt shed is equipped with a concrete floor for sweeping materials. Brine making equipment along with brine tanks are stored under cover in the salt shed.



Salt bin under cover



Brine tanks and production facility stored under cover

### Snow Disposal Area

City of Mt. Juliet does not operate a snow disposal area. Snow operations consist of plowing, distributing brine solutions on the roadway, and spreading of salt.

### Waste Disposal

City of Mt. Juliet contracts municipal waste to be removed by waste collection services. City of Mt. Juliet does not offer solid waste removal or transfer stations as a level of service. Transfer stations are operated outside the city limits by Wilson County Solid Waste.



Waste Disposal bin for metal at Clemmons Road



Waste Disposal at Public Work Building

#### Inventory of Municipal Facilities

City Hall- parking lot, no treatment

Flows to Stoners Creek

City Beautiful Building – parking lot, no treatment

Flows to Stoner Creek

Police Annex – Parking lot, no treatment

Flows to Stoner Creek

Gun Range/ impound lot – Parking lot, Water Quality Swale

Flows to Cedar Creek

Fire Station 1 Belinda – parking lot, two Water Quality Ponds

Flows to Stoner Creek

Fire Station 2- Lebanon Road – Bio Retention

Flows to unnamed tributary to Cedar Creek

Police Department – parking lot, Bio Retention, Detention Pond

Flows to Cedar Creek

Charlie Daniels Park – Parking Lot, no treatment



Flows to Cedar Creek

Greenway- trail and parking lot, no treatment

Flows to Cedar and Stoners Creek

Eagle Park- parking, no treatment

Flows to Stoners Creek

Hamilton Denson Park- parking, Water Quality Unit, Detention Pond

Flows to Stoner Creek

Jones Park – parking, no treatment

Flows to Stoner Creek

Robinson Park- parking, no treatment (Does have a COE Protected Wetland)

Flows to Stoner Creek

Page Park- parking, no treatment

Flows to Cedar Creek

Bark Park- parking, no treatment

Flows to Stoners Creek

Mundy Park – parking, Bio Retention, Detention Pond

Flows to Stoners Creek

Greenway Bathroom, parking, Bio Retention, Detention Pond

Flows to Cedar Creek

Animal Control- parking, Water Quality Unit, Detention Pond

Flows to Stoners Creek

Music City Star Parking – parking, Water Quality Unit, 2 Bio Retention

Flows to Stoners Creek

Public Works Yard – milling's parking surface, Detention Ponds

Flows to Cedar Creek

**Total**

3 Water Quality Units

8 Detention Ponds

1 Water Quality Swale

6 Bio Retention

1 Protected Wetland



Water Quality Unit SCM at Music City Star



Water Quality Unit SCM at Animal Control



Water Quality Unit SCM at Hamilton Denson Park – Park under Construction



Bio Retention SCM at Music City Star Parking lot.



Bio Retention SCM at bathrooms at Golden Bear Park



Bio Retention SCM at Mt. Juliet Police Department





Bio Retention at Mt. Juliet Fire Department Station 2



Bio Retention SCM at Mundy Park



Protected Wetland at Robinson Park



Water Quality Swale SCM at Impound Lot

### Inspections

Yearly inspections of SCM's will be conducted yearly by Stormwater staff. If any repair or replacement are needed Stormwater will notify the department responsible for the SCM, offer guidance on the repair or replacement procedures, and document when the SCM is placed back into compliance.



Inspectors conducting inspections