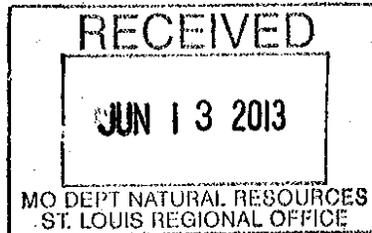




City of Weldon Spring  
*City of Tradition and Progress*



5401 Independence Road

Weldon Spring, MO 63304

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June 11, 2013

Ms. Ruth Wallace  
Missouri Department of Natural Resources  
P.O. Box 176  
Jefferson City, MO 65102-0176

RE: Phase II Storm Water - NPDES Permit Renewal – Revised Storm Water Management Program –  
City of Weldon Spring, Missouri – MO – R040076

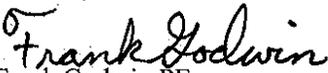
Dear Ms. Wallace:

Enclosed for your review and consideration by the Missouri Department of Natural Resources (MDNR) is the updated SWMP by the City of Weldon Spring to address the application requirements of Form M – Application for Storm Water Permit. It should be attached the previously submitted and signed Form M and K application forms and supporting documents submitted 5-13-13.

The information contained herein describes how the City of Weldon Spring will meet the MS4 Permit Application requirements. Also attached is other supporting documentation for the SWMP and the other previously submitted applications. Thank you for all your help.

If you should have any questions, require clarification or need additional information please feel free to contact me at 636-441-2110 ext. 110, or by email at [fgodwin@weldonspring.org](mailto:fgodwin@weldonspring.org). I am usually in the office on Tuesdays and Thursdays.

Sincerely,

  
Frank Godwin PE

Storm Water Manager & Interim City Planner of Weldon Spring

# City of Weldon Spring Storm Water Management Program

## General Summary

The City of Weldon Spring received its first MS4 Operating Permit June 8, 2007 and the Operating Permit was reissued by the Missouri Department of Natural Resources on June 20, 2008 with an expiration date of June 12, 2013. Francis Godwin PE is the continuing contact person as the Storm Water Manager for the City of Weldon Spring. He is on site to administer the provisions of the City MS4 Permit and the related City Ordinance at Weldon Spring City Hall. The normal office hours for the position of Storm Water Manager are weekly from 9:00AM to 3:00PM on Tuesday and Thursday. This makes the position a 12 hours a week permanent part time position. Previously Michael Meiners PE, of St. Charles Engineering and Surveying, as the City Engineer, had been the reviewer of development plans within the City and was the primary administrator and contact person for the MS4 permit applications and associated permit requirements. He continues on currently as City Engineer and enforces the City's MS4 requirements and City Ordinance requirement in his capacity as City Engineer. His staff also inspects the various ongoing municipal projects within the City, as needed, for compliance with the approved construction plans. Hilary Murphy, AICP of Murphy Consultants LLC, was the City of Weldon Spring City Planner. She has left the City and Frank Godwin has been appointed Interim City Planner until a permanent replacement can be found. He will also contribute to the enforcement of our MS4 requirements and City Ordinance in his capacity as Interim City Planner. The City also employs a permanent part time code enforcement person and two part time Park Department personnel who also contribute to enforcement and good housekeeping practices on City property. The City currently estimates by the last census that there are approximately 5500 residents within the City of Weldon Spring. The most helpful document added over the past cycle is the Development Review Guide. This document clarifies our commitment to Conservation Development and clearly guides potential developers through the City plan approval process. A copy is enclosed along with other key Ordinances that were passed during the last cycle.

### **SWMP - Program elements changed or refined**

No other major additions or refinements were made to existing City Ordinance in regards to the MS4 requirements or our Design and Construction Ordinances other than those noted in the yearly update reports over the past cycle. The City of Weldon Spring currently references the latest St. Louis Metropolitan Sewer District requirements for our Storm Water design criteria for new and redevelopment projects and our associated MS4 requirements; BMP's and design procedures by our current City Ordinance. The existing BMP's currently used and/or specified on the plans will be further reviewed for effectiveness during the rest of 2013 and be addressed in the 2014 yearly report and updated if needed. Following are the six updated minimum control measures that the City will following over the next 5 year reporting cycle, they are as follows:

## **Public Education and Outreach on Storm Water Impacts**

The previously submitted BMP's from the 2007 Permit submittal have been in force and followed for the past 5 years. There have been minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. The Minimum Measure Objective is to educate the public by print on the impact of storm water runoff from residential and commercial properties. Our first BMP is to continuously monitor and evaluate our current measures, Ordinances and practices put in place over the last 5 years and going forward for the next 5 years. Other notable BMP's are listed below:

1. Educational brochures on display and available at City Hall for all visitors.
2. The City website will have a storm water section with helpful tips and seasonable information.
3. Try and have at least one on line educational survey during the next 5 year cycle.
4. Around 3-4 newsletters are published every year. Each letter will have a Storm Water article with seasonal information and tips. Also each letter has contact information for the public to report any spills or dumping within the City. Over 95% of City residences and businesses receive the newsletter.
5. The City has encouraged storm sewer structure markings by the Boy Scouts, Girl Scouts and any other interested organization. Participation has varied year to year but information will be on the website for any interested parties.
6. The two local middle schools will receive educational material at least once a year for distribution to the students. At least once during the next 5 year cycle the Storm Water Manager will try to make an in school presentation or possibly coordinate with a teacher or staff to make a storm water pertinent presentation to some of the students.
7. Storm water educational material tailored to restaurants and businesses will try to be distributed to the major restaurants/businesses within the City annually. The City will coordinate with the local sewer authority to find the largest effluent producers and target them. A measurable reduction in pollutants should be possible.

## **Public Involvement/Participation**

The previously submitted BMP's from the 2007 Permit submittal have been in force for the past 5 years. There have been minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. The City of Weldon Spring has had a well-developed storm water program in force since before the 2007 report. In 2009, after a series of public meetings and discussions, the City updated the Zoning and Subdivision Regulations to promote Conservation Development. Our current City Ordinances are available on line and a copy will not be enclosed. With the updating of the City Ordinances the main thrust of the public involvement was completed. There has been no public or private request to significantly change our Conservation Design requirement or any sections of the updated current Ordinance.

The Minimum Measure objective is to involve the public and stakeholders in managing our current storm water and MS4 program. Our BMP is to establish a permanent Storm Water Committee within the next year and to hold at least 2 meetings a year, with one that the public and other stakeholders are invited to attend. The committee is to be made up of 2 Planning and Zoning members and the Storm Water Manager and a public representative if one can be found. The annual public meeting is to inform citizens about storm water impacts in our City, In addition to gaining support for our current storm water management program. Key issues, especially those that directly affect the public and businesses, can be described during these meetings to increase awareness about citizen responsibility, costs, and expected benefits.

### **Illicit Discharge Detection and Elimination**

The previously submitted BMP's from the 2007 Permit submittal have been in force and followed for the past 5 years. There have been minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. The first Minimum Measure Objective is to create a City Storm Water Discharge Map. Minimum Objective Two is to establish/update legal authority for enforcement actions. Minimum Objective Three is to establish Public Education on illicit discharges and a means to report any suspected violation. Our BMP is to continuously monitor and evaluate the current measures, Ordinances and practices put in place over the last 5 years and going forward for the next 5 years. The measures in place are listed below:

1. The addition and updating of a Storm Water section to our City of Weldon Spring website. Unfortunately our web host went out of business in 2012 so as of this date the current temporary site does not have all the intended information and links that were previously on line. However our reporting feature and news section are operational. Our new site should be up by mid-2013 with all the MS4 data and links as in our previous site.
2. The addition of an email response hotline to report spills or dumping on our website and in all our newsletters.
3. Ordinance 07-30 which created chapter 216 in our City Code, Offences Against the Environment. Passed 12-11-2007. (a copy is enclosed)
4. Ordinance 08-18 which modified Chapter 216. (a copy is enclosed)
5. Yearly visual inspections on approximately 60% to 80% of the detention basins and sections of the major creek channels within the City. And keeping a database of the inspections with pictures and any comments on effectiveness or need of maintenance.
6. Try to inspect at least once a year the 12 discharge points from our City located on our submitted discharge map.
7. In an effort to educate the public we distribute flyers in the fall to inform the residents that collected leaves and branches are not to be disposed of in the storm sewers or creeks.
8. Our newsletter publishes approximately quarterly, and yearly reminds the residents with septic tanks that they should inspect their tanks and drain fields yearly and maintain as needed.

## **Construction Site Storm Water Runoff Control**

The previously submitted BMP's from the 2007 Permit submittal have been in force and followed for the past 5 years. There have been minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. Minimum Measure Objective is to create Ordinances and policies to limit the silt or other waste from leaving the construction site on development of more than one acre. The City Code references both the MSD and St. Charles County Sediment and Erosion control requirements in addition to our own requirements. Whichever is more restrictive applies. All the specific requirement can be obtained on line and will not be included with this application A new BMP is to work with the City officials to receive Board approval to have developments of 22,500 square feet or larger comply with our development ordinances. This may or may not be implemented within the next 3 years after discussion and resident input. Our second BMP is to continuously monitor and evaluate our current measures, Ordinances and practices put in place over the last 5 years and going forward for the next 5 years. Some of these measures in place are listed below:

1. The requirement of a SWPPP for all new/amended construction projects.
2. Weekly inspection reports on the SWPPP to be filled out by the developer.
3. Spot checks on all development and/or inspections based on any complaints.
4. Current Inspector is trained to do the inspections required by City Ordinance.
5. Construction Site Planning, Staging, Runoff control and Erosion Control discussed with the developer at the Concept and Sketch plan review stage of developments.( See Development Review Guide).
6. Making the Developer and design Engineer aware of the variety of Sediment and erosion control devices available and discuss at Concept Plan.

## **Post Construction Storm Water Management in New Development and Redevelopment**

The previously submitted BMP's from the 2007 Permit submittal have been in force and followed for the past 5 years. There have been major and minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. The Minimum Measure Objective is to create Ordinances, policies, and strategies to mitigate storm water impacts from new development and use practices to treat, store and infiltrate storm water runoff on the site. Our BMP is to continuously monitor and evaluate our current measures, Ordinances and practices put in place over the last 5 years and going forward for the next 5 years. Some of these measures that are in place are listed below:

1. The updating of the City Code in 2009 to promote Conservation Development in the City.
2. The updating of the definitions of yield plan for Conservation Design in 2010. (see enclosure)
3. The creation of the Development Review Guide in 2011 to help the developers and engineers through the development process. It notes the City's commitment to Conservation Development within the City. ( a copy of the guide is enclosed, our Municipal Code is on line at [weldonspring.org](http://weldonspring.org) for the rest of our specific development requirements)
4. Encouraging the use of rain barrels, rain gardens and other devices on a site specific basis for new and redevelopment.

## **Pollution Prevention/Good Housekeeping for Municipal Operations**

The previously submitted BMP's from the 2007 Permit submittal have been in force and followed for the past 5 years. There have been minor additions and/or modifications to our BMP's and these have been noted and/or added with the Annual Reports. The Minimum Measure Objective is to reduce the amount of nutrients, organic materials and pollution from entering the receiving waters of the state by park design and staff maintenance procedures. Our BMP is to continuously monitor and evaluate the current measures and practices put in place over the last 5 years. Some of these measures are listed below:

1. The addition of a new Parks Maintenance Structure which added bathrooms close to the park playground area. Previously a "port a potty" was used during the spring and summer. Additional storage was also provided within the new structure for all parks equipment and materials.
2. A rain garden was added adjacent to the new Parks Maintenance Structure. Currently the rain garden is maintained by park staff.
3. We do have a mandatory staff meeting once a year to discuss any problems or concerns and to insure the maintenance area is kept clean and as pollution free as possible. We also go over refresher discussions on spill prevention and safe handling of any chemicals needed for the park maintenance. We do not have any heavy equipment that would require specialized maintenance. Grass mowing and trimming equipment is all that is required.
4. Cottleville Fire Protection district inspects the Park facility once a year.
5. We do recycle any waste oil or paper products in the Parks and City Hall park campus.
6. Bags for the disposal of pet waste are provided in the park free of charge. Three to five hundred bags are used yearly. Receptacles for any bags used are collected and disposed of by parks staff.
7. The City Lake is maintained to allow fishing and has been maintained in good condition over the past years and is monitored during the year.
8. The outside training of City Parks Staff was eliminated unless requested by staff. There was not a need for it as on line courses are available and our Staff has had instructions in spill prevention and control. Any chemicals needed in the routine maintenance of the parks equipment and any fertilization we decide to do they can handle.
9. The park lake has a fore bay which is inspected spring and fall and is functioning well.
10. We do not use salt around City Hall. Some light salt is used by the asphalt parking for vehicles. We use alternative chemicals on our concrete. The Roadways are salted by St. Charles County and I believe they use conservative methods when applying salt.