

CITY OF HOLTS SUMMIT, MISSOURI

Resolution No. 2006-13

A RESOLUTION BY THE BOARD OF ALDERMEN OF THE CITY OF HOLTS SUMMIT, MISSOURI, ADOPTING A STORMWATER MANAGEMENT PLAN AND IMPLEMENTATION TIMETABLE FOR THE CITY OF HOLTS SUMMIT.

WHEREAS, the City of Holts Summit became part of the Jefferson City Urbanized Area newly defined by the US Census Bureau in 2000; and

WHEREAS, under the new urbanized area, the City of Holts Summit was notified by the Missouri Department of Natural Resources in April of 2006, that Holts Summit is considered a Missouri "regulated MS4" and must obtain a NPDES Stormwater permit which requires the development of a Stormwater Management Plan attached hereto as Exhibit A and incorporated herein by reference for all purposes.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF HOLTS SUMMIT, MISSOURI AS FOLLOWS:

The Board of Aldermen of the City of Holts Summit, Missouri, hereby determines that it is in the best interests of the citizens of Holts Summit, Missouri, to adopt the Stormwater Management Plan attached hereto as Exhibit A in accordance with the regulations of the Missouri Department of Natural Resources to obtain an NPDES Stormwater Permit.

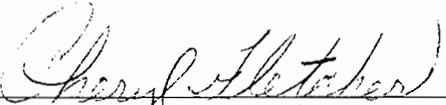
FURTHER, be it resolved that the Board of Aldermen of the City of Holts Summit, Missouri, adopts and will implement the above Stormwater Management Plan in accordance with the implementation timetable contained therein.

RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF HOLTS SUMMIT, MISSOURI ON THIS 10TH DAY OF JULY 2006.



Dan Cox, Mayor

ATTEST:



Cheryl Fletcher, City Clerk

THE CITY OF HOLTS SUMMIT

Stormwater Management Plan

Submitted By: Cheryl Fletcher, City Clerk
Per authorization of Resolution No. 2006-13
Passed by the Board of Aldermen: July 10, 2006

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INTRODUCTION

The City of Holts Summit, Missouri became part of the Jefferson City Urbanized Area newly defined by the US Census Bureau in 2000. The population of Holts Summit according to the 2000 Census is 2,935. As part of the urbanized area, the City is considered a Missouri "regulated MS4" and must obtain a NPDES Stormwater Permit which requires the development of a Stormwater Management Plan.

Holts Summit has a stormwater ordinance in effect that, in addition to other stipulations, requires all construction related activities to conform to the current National Pollutant Discharge Elimination System (NPDES) Stormwater Regulations for the State of Missouri. The City Code currently requires an erosion control plan from a Missouri Registered Engineer in good standing prior to the issuance of a building permit for low-density residential construction. The plan must note any special conditions to be met for storm drainage during the construction. The erosion control measures to be used include silt fencing, straw bales, ditch checks, or temporary sediment basins. In addition to the requirements noted above, regulations are in place to show the flow of stormwater drainage on each subdivision plat submitted to the City. The City is lacking in the enforcement of this area of the Code due to the lack of personnel. In the past, the staff contacted the Department of Natural Resources when a violation was noticed. To resolve this and other issues of enforcement, the Board of Aldermen hired a full time inspector at the meeting held on June 12, 2006. With time and additional training on the NPDES requirements, we expect the inspector to be enforcing all areas of the City Code in the very near future.

Historically, attendance at public hearings in Holts Summit is extremely low. Therefore, education may be better served through newsletters mailed to each residence, and adding a page about stormwater issues on the upcoming website to ensure that everyone is educated on the disposal of household hazardous waste. The letters may contain information on how and where to dispose of such waste. The City is also a member of the Mid-Missouri Solid Waste Management District. We hope to obtain information and suggestions from the District on the proper disposal of household hazardous waste.

The Stormwater Management Plan summarizes the City's intentions to reduce the amount of pollution in the stormwater runoff by addressing the six categories of concern listed in the permit. These categories are as follows:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-construction Site Runoff Control
6. Pollution Prevention/Good House Keeping

The City will adapt this plan to our own unique situation and will attempt to improve the plan each year. As circumstances change, new solutions may be necessary to better control pollution in stormwater. This plan is a foundation on which new and innovative ideas and solutions can be developed in the years to come to protect the water quality of our local streams.

CITY INFORMATION

Name of City:	City of Holts Summit, Missouri
Population:	2,935
Water Supply:	Callaway County Water District #1 (well)
Waste Water Treatment:	Septic, lagoon, and treatment plant
Water Shed:	From ditches, ravines and single streams that eventually flow to the Missouri River
Geologic Setting:	Bedrock
Average Rainfall:	Approximately 40 inches annually

Holts Summit is located in central Missouri just north of the Missouri River. Rainfall runoff flows south to the Missouri River. There are very few losing streams and no known sink holes in the Holts Summit City limits. The City of Holts Summit does not have an industrial park and there are no industrial or manufacturing businesses inside the City limits. Holts Summit is growing at a very fast pace. Forty permits for new residences have been issued since January 2006. With this type of growth, the main form of contamination may be from the soil sediment that erodes from the construction activity as the new subdivisions develop. The City estimates an expansion of the stormwater system by approximately four miles in the past two years due to new development. There are approximately nineteen miles of stormwater drains currently in the City.

DEFINITIONS

For the purpose of this Stormwater Management Plan, the following words and terms as used herein are defined to mean the following:

1. Best Management Practice (BMP): A type of management, habit, action, practice, type of construction or other ways of doing things that accomplishes the best result - given the circumstances (size, budget, other factors) a City must work under.
2. Maximum Extent Practicable (MEP): The City striving to do our best to the maximum extent practical given the City's abilities and needs.
3. Minimum Control Measure (MCM): One of the six categories that at a minimum must be addressed in the stormwater management plan. The six categories include: a) public information, b) public participation, c) illicit discharges, d) construction site runoff, e) post-construction runoff, and f) pollution prevention/good house keeping, which are all considered a minimum control measure.
4. Municipal Separate Storm Sewer System (MS4): A stormwater sewer (drainage) system that is separate from the regular domestic sewage system. The stormwater sewer system discharges directly to a stream without treatment of the rainwater.
5. NPDES: Refers to the National Pollutant Discharge Elimination System.
6. Regulated MS4: A Municipal Separate Storm Sewer System that is required to obtain an NPDES Permit and comply with the Missouri stormwater regulations.
7. Stormwater: The rain water that flows off of parking lots, yards, and other properties into roadside ditches, storm drains, and streams during a rainstorm.
8. Watershed: A water shed is an area of land which drains into a particular body of water. A watershed can be small, such as a ravine drained by a single stream, or large, such as many square miles that drains into a particular body of water.

PUBLIC EDUCATION AND OUTREACH

The City of Holts Summit has a goal of significantly increasing awareness among its citizens of stormwater pollution. The strategy for accomplishing the goal will include several measurable efforts to raise public awareness of how stormwater is contaminated and ways each individual can help minimize the problem. Outreach will seek to inform people about the following subjects:

1. The proper handling and disposal of solid wastes.
2. The proper handling and disposal of hazardous wastes.
3. The proper handling and application of fertilizers and pesticides on lawns.
4. The elimination of illegal dumping of oil and other chemicals into storm drains.
5. The importance of erosion control structures on construction sites to prevent sediment from eroding into storm drains.
6. The importance of detention basins and other post-construction structures to prevent erosion down stream of new development.

Actions and Measurable Goals

Action 1:

The City awarded an agreement with Micro-Technologies for the development of a website on June 12, 2006. A section on stormwater may be added to the website to help educate the public on the potential hazards of stormwater and household hazardous waste.

Measurable Goal:

The City anticipates accomplishing such action within one year of the date of issuance of the stormwater permit.

Action 2:

The City intends to develop and make available at City Hall informational brochures of the subject of stormwater that will discuss the six subjects listed above.

Measurable Goal:

The City plans to complete such action within six months of the date of issuance of the stormwater permit.

Action 3:

The City intends to contact the local radio and television stations to discuss possible public service announcements.

Measurable Goal:

The City intends to make contact within three months of the date of issuance of the stormwater permit and to hold the first public service announcement within one year of the issuance of the stormwater permit.

Action 4:

The City anticipates making stormwater presentations to the public.

Measurable Goal:

The City intends to meet the measurable goal of four presentations per year.

PUBLIC INVOLVEMENT AND PARTICIPATION

Action 1:

The Board of Aldermen intends to announce public meetings to discuss the stormwater requirements.

Measurable Goal:

The Board plans to announce that they will discuss stormwater requirements at least two times per year at public meetings.

Action 2:

The Planning and Zoning Commission will review and discuss with the public the stormwater ordinances currently in effect.

Measurable Goal:

The Commission will review and announce the public meetings to discuss the issue at least two times per year.

Action 3:

The City intends to support volunteer groups that cleanup local streams by disposing of the refuse collected for free.

Measurable Goal:

The City plans to provide public service announcements at least two times per year to announce the local cleanup of the streams.

Action 4:

The City plans to coordinate with local stream team groups to promote stream team events that relate to stormwater issues.

Measurable Goal:

The City intends to host or participate in at least one event per year.

Action 5:

The City will endeavor to form a Stormwater Committee to discuss stormwater issues. The Planning and Zoning Commission and the appropriate staff will act as the Committee if no volunteers offer to serve.

Measurable Goal:

The Committee will strive to meet at least four times per year.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

The City of Holts Summit intends to implement measures to reduce and eliminate unauthorized discharges to its storm sewer system.

Action 1:

The City will strive to conduct visual inspections of stormwater outlets during the year to detect illegal discharges to storm sewers.

Measurable Goal:

The staff will try to visually inspect twenty-five percent of all stormwater outlets each year and record the date and result of each inspection.

Action 2:

Citizens may call City Hall at 896-5600 to report illegal discharges.

Measurable Goal:

The telephone number noted above should be placed on the web site within one year of the date of the issuance of the stormwater permit to coincide with Action 1 under the Public Education and Outreach section of this report.

Action 3:

The City will review the prospect of developing an ordinance to prohibit the discharge of oil, paint, wash water, and other wastes into the City storm sewer.

Measurable Goal:

The City intends to discuss the illegal discharge ordinance in a newsletter mailed to every residence inside the City limits of Holts Summit. The residents will be informed and invited to attend all meetings held by the City through notification of such meetings on the information channel, and the posting of the agenda on the front window of City Hall. The City plans to hold the first discussion on the illegal discharge ordinance within six months of the issuance date of the stormwater permit.

CONSTRUCTION SITE RUNOFF CONTROL

The City of Holts Summit has procedures and policies in effect to promote the control of sediment erosion on construction sites.

Action 1:

A copy of the stormwater ordinance shall be attached to every construction permit issued by the City.

Measurable Goal:

The City expects to begin this practice within three months of the issuance date of the stormwater permit.

Action 2:

The City will require a copy of the approved erosion control plan submitted to the Department of Natural Resources for all construction sites of one acre or more.

Measurable Goal:

The measurable goal would be to implement the action within one year of the issuance of the NPDES permit.

Action 3:

The City currently has an erosion control ordinance in place.

Measurable Goal:

The measurable goal in this action would be to enforce the above noted ordinance. The City will try to implement the enforcement within one year of the issuance date of the stormwater permit.

Action 4:

As noted in Action 3 above, the City Inspector will be required to inspect erosion control measures on all construction sites.

Measurable Goal:

The intent of the City is to have such inspections in place within one year of the date of the issuance of the stormwater permit.

POST-CONSTRUCTION SITE RUNOFF CONTROL

The City of Holts Summit intends to establish policies and procedures to control post-construction site runoff.

Action 1:

The City of Holts Summit plans to begin discussions about requiring detention basins for projects with large impervious areas such as large shopping centers and large subdivisions. The purpose of the detention basins is to prevent erosion down stream.

Measurable Goal: *This NOT the intention!*

The City intends to notify the residents of such intent through a newsletter mailed to each residence inside the City limits through which each resident will be invited to a meeting to publicly discuss such regulations within one year after the issuance date of the stormwater permit.

Action 2:

The current City Codes gives the inspector the right to require temporary sediment basins during construction if so inclined. In the submission of a new subdivision plat, the Planning and Zoning Commission requires the location of all storm sewer drainage facilities contemplated and reasonably required to serve the entire subdivision. The Commission also requires stormwater controls for planned development districts. The Commission has the authority to recommend to the Board of Aldermen that a detention basin be required on any project, including a project that includes a large impervious area. The NPDES regulations also allow the City to require stormwater basins.

Measurable Goal:

The Planning and Zoning Commission may be asked to review the current City Code and NPDES regulations in relation to the requirements for a stormwater basin.

Action 3:

The City intends to review the current regulations requiring detention basins.

Measurable Goal:

The City plans to perform such review within one year of the issuance date of the stormwater permit.

Action 4:

The City may discuss the possibility of a regional retention basin for a very large development area.

Measurable Goal:

The goal for such discussion may be within three years after the issuance date of the stormwater permit.

Action 5:

Current Codes of the City forbid litter at any time anywhere in the City. A summons to court may be issued without prior notice to anyone in violation. The enforcement includes commercial establishments as well as residential.

Measurable Goal:

The measurable goal would be to continue strict enforcement of the laws regulating litter.

Need to do more than discuss. Needs to be

All new + reded. projects!

this is not post

Not the intention

No!

POLLUTION PREVENTION/GOOD HOUSE KEEPING

The City of Holts Summit may establish policies and procedures to reduce the potential for pollution of stormwater through City operations. The following actions may be considered in establishing such policies.

Action 1:

The City may consider holding staff meetings to train all employees in the proper handling and disposal of solid wastes and hazardous wastes.

Measurable Goal:

The City intends to implement such training within six months of the issuance of the stormwater permit.

Action 2:

The City of Holts Summit does not have a sanitary landfill. The nearest sanitary landfill is located on the East side of Jefferson City across the Missouri River. The staff sweeps the City streets several times a month using a Pelican street sweeper. The hopper holds approximately one half of a pick-up truck load of sweepings. Two hoppers are filled when the entire City is swept, but the staff rarely sweeps the entire City at one time. The problem arises in getting such a small amount of sweeping across the river into a sanitary landfill.

Measurable Goal:

To combat this problem, the City Maintenance Superintendent intends to contact Allied Waste for suggestions on storing the sweepings, possibly in a covered dumpster, and picked up by them on an as needed basis.

Action 3:

The City of Holts Summit does not use pesticides. The City does however use a 100% biodegradable weed killer around streets signs one to two times per year.

Measurable Goal:

The employees are instructed on the proper use and handling of the weed killer through the cautions and booklets received with the purchase of the chemical. Staff has confirmed that they read and follow the directions for the proper use of the chemical each time it is applied.

Action 4:

The City solicits bids for large construction projects. The company awarded the bid is required by the City staff to conform to the best management practices as in the opinion of the City staff is in the best interest of the citizens of Holts Summit.