



City of Vine Grove

Founded 1850

Task	BMP -Activity Description	Measurable Goal / Quantifiable Products	Targets / Measures of Success	Responsible Parties	Year 10-11	Year 11-12	Year 12-13	Year 13 -14	Year 14-15
1. PUBLIC EDUCATION AND OUTREACH									
A. MS4 ACTIVITIES									
Lawn and Garden Activities	distribute educational material to the public in our local lawn and garden center and in our monthly newsletter	educate the public on the proper use of fertilizer and herbicides	keep a record of the number of flyers distributed to the community.	City of Vine Grove		Yes	Yes	Yes	Yes
Proper Disposal of Household Waste	Distribute educational material to the public in our monthly newsletter and at community events.	Educate the public	keep a record of the educational materials distributed to the community.	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Pet Waste Management	Distribute educational material to the public in our monthly newsletter and at community events.	Educate the public and reduce Fecal bacteria in the streams	Monitor water quality for fecal.	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Trash Management	Distribute educational material to the public in our monthly newsletter and at community events.	Educate the public	keep a record of the educational materials distributed to the community.	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Education / Outreach for Commercial Activities	Distribute educational materials to local business on stormwater runoff control measures for parking lots	educate and a reduction in pollutants from parking lots from storm water runoff	Observe parking lots for stormwater runoff before and after educating	City of Vine Grove		Yes	Yes	Yes	Yes
Classroom Education on Stormwater	Distribute educational materials to teachers at school	Educate students and get stormwater education in the schools	Talk with teachers and check the progress of stormwater education	City of Vine Grove		Yes	Yes	Yes	Yes

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2. PUBLIC INVOLVEMENT / PARTICIPATION									
A. MS4 ACTIVITIES									
Storm Drain Marking	Label all storm water drains	develop a map, public will be more aware of where storm water drains are located	we will have a map of all the storm drains, may reduce illegal dumping in storm drains	City of Vine Grove			Yes	Yes	Yes
	Label all storm water drains	Get a group of volunteers to help label the drains	number of volunteers that helped, and number of storm drains that were labeled	City of Vine Grove			Yes	Yes	Yes
Stream Clean up	Get a group of volunteers	remove trash and debri from the streams and get public participation	record the amount of trash collected and the miles of stream cleaned. Monitor the water quality before and after a steam clean up	City of Vine Grove		Yes	Yes	Yes	Yes
Stream Monitoring	Get a group of volunteers	Get water quality data for wet and dry weather conditions and get public participation	Get data on water quality at various outfalls and use data for areas of concern for stormwater pollution	City of Vine Grove		Yes	Yes	Yes	Yes
Stakeholder Meetings	put together a group of individuals such as local business owners and residents to discuss storm water issues and various ways to help with storm water runoff	Get more ideas, get more of the public involved in storm water	keep a record of the number of meeting held and what was discuss and things that were implemented after the meetings	City of Vine Grove			Yes	Yes	Yes
Attitude Surveys	Conduct a community wide survey either by mail o on a web site to determind the communities outlook on storm water runoff and natural habits that would affect storm water runoff pollutants.	Find out the awareness of storm water runoff, and find are within the community that need more education and monitoring of the water quallity at outfalls	Do a survey again after a few years and see if the attitudes have changed any cocerning storm water runoff	City of Vine Grove			Yes	Yes	Yes

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3. ILLICIT DISCHARGE DETECTION AND ELIMINATION									
A. MS4 ACTIVITIES									
Failing Septic Systems	Create a list of the resident in the community who are using a septic system and distribute educational materials to the residents	Educate and helpfully reduce the number of failing septic systems in our community	Create a list of the septic systems in our community so we can inspect them, educate the residents on storm water runoff from septic systems, Check outfalls to see whether or not a reduction in runoff was found before and after	City of Vine Grove		Yes	Yes	Yes	Yes
Industrial / Business Connections	Conduct dry weather monitoring at outfalls near businesses to locate any illegal connections	Find any illegal connections	the monitoring data will allow us to make sure all bussiness are not illegal discharging any pollutants	City of Vine Grove		Yes	Yes	Yes	Yes
Recreational Sewage	Post a sign in the park notifying that it's illegal to dump waste	eliminate Fecal Coliform and other harmful bacteria	Monitor the water quality before and after a sign is posted	City of Vine Grove			Yes	Yes	Yes
Sanitary Sewer Overflows	Create a list of the sewer mains that frequently clogged, and start cleaning those sewer mains on a regular basis	eliminate Fecal Coliform and other harmful bacteria from entering our streams sewer overflows Reduce the number of SSO's	record the number of SSO's, Monitor the water at outfalls near the SSO's before and after starting cleaning on a regular basis	City of Vine Grove		Yes	Yes	Yes	Yes
	Educate the community on proper disposal of Oil and Grease to help eliminate sewer blockages	Reduce blockages and help prevent sewer backups which lead to SSO'S	Keep track of the reduction in sewer blockages after the community was educated	City of Vine Grove		Yes	Yes	Yes	Yes
	Conduct smoke testing to identify busted and broken sewer mains	Reduce the amount of inflow and infiltration entering the sewer system to help prevent SSO's	This will let us crete a list and prioritize the sewer mains that need repaired or replaced	City of Vine Grove			Yes	Yes	Yes
Illegal Dumping	Educate the community in the monthly newsletter	Reduce the amount of illegal dumping	Keep a record of illegal dumps found and cleaned up	City of Vine Grove	Yes	Yes	Yes	Yes	Yes

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3. ILLICIT DISCHARGE DETECTION AND ELIMINATION (continued)									
A. MS4 ACTIVITIES									
Storm Drain Marking	Identify all storm water drains with a message that they drain to a creek and create a map	make the public aware where the storm water drains are and reduce dumping pollutants in the drains	We will have a map of the storm water drains, monitor the water at the drains for a reduction in pollutants	City Of Vine Grove			Yes	Yes	Yes

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4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL									
A. MS4 ACTIVITIES									
Land Grading	Monitor the water quality at outfalls at places where land grading was done	Reduce suspended solids in the creek and reduce erosion	Monitor the outfalls before and after Rain events to see if the land grading posed an impact on the water quality, if it did make corrective measure to eliminate the erosion	City of Vine Grove		Yes	Yes	Yes	Yes
Construction site Entrances	Inspect on a regular basis during dry and especially during wet weather conditions	Reduce sedimentations on the highways and reduce suspended solids levels in the outfalls and creeks	Keep a record of all inspections and see if the problem areas get better after imposing proper BMP's at the entrances Monitor the water at the outfalls	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Check Dams	Inspect on a regular basis during wet weather conditions. Require them if the outfalls indicate high suspended solids	Reduce suspended solids and to be able to make them a requirement if necessary	By monitoring the outfalls before and after the check Dams we will be able to tell if the check dams are reducing suspended solids	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Riprap	Inspect areas where this is used and require this in areas where it will be needed to reduce suspended solids	Reduce suspended solids and to be able to make them a requirement if necessary	By Monitoring the outfalls where Riprap is installed we should see a reduction in suspended solids and we will know areas where it needs to be installed	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Silt Fence	inspect on a regular basis before and after rain events	Check to make sure fence is working properly and if it needs to be cleaned, Reduce the amount of suspended solids from runoff	By monitoring the outfalls, in dry and wet weather conditions we will be able to tell if the silt fence is working properly or if it needs to be cleaned or repositioned	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Storm Drain Inlet Protectors	Inspect on a regular basis and require them when found needed	record the amount of debris collected where they are used, check to see if they are removing pollutants	a reduction in pollutants in the outfalls	City of Vine Grove	Yes	Yes	Yes	Yes	Yes

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4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL (continued)									
A. MS4 ACTIVITIES									
Storm Drain Inlet Protectors	Monitor the water quality at the outfalls	Reduce the amount of pollutants and suspended solids in the outfalls	keep track of the suspended solids before and after protecters were used, and whether or not a protector need to be used	City of Vine Grove		Yes	Yes	Yes	Yes
Mulching	Educate contractors on the importance of doing this as soon as possible to reduce erosion runoff.	a reduction in erosion	check outfall for suspended solids before and after, we should note a reduction in suspended solids.	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Permanent Seeding	inspect on a regular basis and require in areas where erosion will be probally occur	A reduction in suspended solids	Monitor the outfalls for suspended solids in dry and wet weather and keep track of the data	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Sodding	inspect on a regular basis and require in any areas where erosion will be major and needs to be stopped	A reduction in suspended solids	Monitor the outfalls for suspended solids in dry and wet weather and keep track of the data	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
General Construction Site Waste Management	Inspect construction site on material storage and disposal, check the BMP's they have in place for these issues	Reduce any and all contaminates	Monitor the outfalls during dry and wet weather condition for pollutants, se if the BMP's are working properly	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Spill Prevention and Control Plan	Train employees on a regular basis	They will be more aware of what to do if a spill happens	Keep a record of who was trained and when	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Vehicle Maintenance and Washing	Inspect and advise contractor of where this can be done	Reduce pollutants	visually inspections, monitoring the outfalls	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
BMP Inspections and Maintenance	Inspect on a regular basis, require the BMP's before construction is started, and require them to be on site at all times for inspection	Reduce Pollutants, advise contractors of maintenance that needs to be preformed that were found during inspections	Monitor the outfall for BMP's preformance, keep a record	City of Vine Grove	Yes	Yes	Yes	Yes	Yes

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4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL (continued)									
A. MS4 ACTIVITIES									
Construction Sequencing	Discuss with Planning and Zoning and contractors the importance of this in certain areas	Inspect construction sites and see if there is a need to address this issue and require if a need is found	Less storm water runoff in high risk areas, due to less land being disturbed	City of Vine Grove		Yes	Yes	Yes	Yes
Educate Contractors	Met with contractors before construction work begins to discuss storm water issues	A reduction in failed BMP's and a better storm water runoff program	Keep a record of the failed BMP's and other problem issues and see if the education helped reduce erosion control issues	City of Vine Grove	Yes	Yes	Yes	Yes	Yes

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5. Post Construction Storm Water Runoff Control in New Development / Redevelopment									
A. MS4 ACTIVITIES									
Narrower Residential Streets	Discuss with elected officials and Planning and Zoning to require this	reduce impervious surfaces in the community	to possibly create an ordinance	City Of Vine Grove		Yes	Yes	Yes	Yes
Eliminating Curbs and Gutters	Discuss with elected officials and Planning and Zoning to require this	Improve water quality by allowing the water to be filtered better with vegetation and reduce the amount of runoff to a specific place	Create an ordinance if found to be needed, a reduction of pollutants in the outfalls and storm drains	City Of Vine Grove				Yes	Yes
Alternative Turn Arouds	Discuss with elected officials and Planning and Zoning to require this	this can improve the water quality by reducing the amount of impervious surfaces	Conduct a study in areas where this would greatly improve water quality	City Of Vine Grove				Yes	Yes
BMP's Inspection and Maintenance	Perform regular inspections at construction sites especially during or directly after significant wet weather events	To improve water quality by locating any BMP's that are not working properly or identify maintenance that needs performed.	a record of the inspections will identify where and if any additional BMP's need to be enforced and address	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Zoning	Discuss with elected officials and Planning and Zoning where certain construction can/would be allowed.	Zone areas better that are in high risk for runoff pollutants	keep track of all zoning changes, this will allow use to see if the water quality has improved after the zoning change	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes

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6. Pollution Prevention / Good Housekeeping for Municipal Operations									
A. MS4 ACTIVITIES									
Pet Waste Collection	Educate the community the hazards associated with pet waste	Reduce the amount of bacteria and nutrients in the streams	By monitoring the water we can check for an improvement in water quality	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Automobile Maintenance	Distribute educational pamphlets to the auto repair shops located in the city	Reduce or eliminate any spills of improper maintenance	check the parking lots for a reduction in automotive waste after being educated	City Of Vine Grove		Yes	Yes	Yes	Yes
Vehicle Washing	Educate where the proper places are to wash vehicles for city employees and fund raising events	reduce and or eliminate runoff pollutants from car washes	keep a record and inspect sites where vehicles are washed, monitor the water quality at the outfalls before and after cars are washed	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Illegal Dumping Control	Post No dumping signs and a number to call to report illegal dumping in high risk areas	Reduce the number of illegal dumping sites	Check for the reduction of dumping before and after the signs were posted. Keep a record of all reports of illegal dumping	City Of Vine Grove		Yes	Yes	Yes	Yes
Landscaping and Lawn Care	Create a partnership with our local Lawn and Garden Center to help educate the community on safe lawn and garden activities	Reach the citizens that are active in lawn and garden activities	Keep track of the educational materials distributed, over time we should see a better water quality	City Of Vine Grove		Yes	Yes	Yes	Yes
Pest Control	Create a partnership with our local Lawn and Garden Center to help educate the community on proper pest control measures	Reach the citizens that are using pest control chemicals	Monitor the streams and check data for a reduction in pesticides	City Of Vine Grove		Yes	Yes	Yes	Yes
Parking Lot and Street Cleaning	Perform street and parking lot cleaning in any areas that are found to be causing pollutant runoff	Reduce pollutant in the outfall and streams	Monitor water quality in dry and wet weather conditions, and track down pollutants entering outfalls, if found to be a parking lot or a street start a routine cleaning program	City Of Vine Grove		Yes	Yes	Yes	Yes

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6. Pollution Prevention / Good Housekeeping for Municipal Operations (continued)									
A. MS4 ACTIVITIES									
Parking Lot and Street Cleaning	Educate and promote parking lot cleaning for local businesses in the community	Reduce the pollutants in parking lots runoff	inspect parking lots on a regular basis and keep a record, look for a reduction in pollutants after education	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Septic System Controls	Send educational to individuals in the community who own septic systems	Reduce pollutants from failing septic systems	Check outfalls near septic systems, check for a reduction in pollutants after education materials were distributed. This will be a way to locate failing septic systems	City Of Vine Grove		Yes	Yes	Yes	Yes
Storm Drain System Cleaning	Inspect storm drains on a regular basis and clean when necessary	reduce pollutants at storm drain outfalls	Monitor the water quality at outfalls before and after cleaning, create a list of high risk areas that need cleaning on a regular basis	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Alternative Discharge Options for Chlorinated Water	Educate pool owner in the community of the various options. This can be done when they pick up a pool meter at City Hall	Reduce the chlorine residual in the streams	Monitor the streams for a reduction in Chlorine, inspect during the time of year pools will be drained	City Of Vine Grove		Yes	Yes	Yes	Yes
Alternate Products	Distribute educational material in our monthly newsletters and at community events	Reduce chemical pollution for household waste	Monitor the streams for a reduction in pollutants and keep track of the number of educational materials distributed	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
Hazardous Material Storage	Train City Employees how to properly store these materials	reduce the possibility of a hazardous spill	by inspecting storage areas on a frequent basis, keep track of accidental spills, and the reduction of spills	City Of Vine Grove	Yes	Yes	Yes	Yes	Yes
	Create a list of facilities that store hazardous products and identify the hazardous chemicals stored there	reduce the possibility of a hazardous spill and a list will help identify where a source of pollution is coming from	Keep a record of spill reported, and the amount reduced, Monitor the outfalls and look for a reduction in pollutants	City Of Vine Grove		Yes	Yes	Yes	Yes

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6. Pollution Prevention / Good Housekeeping for Municipal Operations (continued)									
A. MS4 ACTIVITIES									
Hazardous Material Storage	Educate the community	A reduction in improper use and storage of chemicals	By monitoring the outfalls we can monitor data for reduction in pollutants	City of Vine Grove		Yes	Yes	Yes	Yes
Road Salt Application and Storage	Inspect the storage facility on a regular basis during wet and dry weather	Identify any salt runoff problems	Visually inspect and keep a record of inspections, monitor the outfalls near the storage areas for a reduction of salt runoff	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Spill Response and Prevention	Notify facilities to report any spills and provide spill protection such as socks to them	Be notified when a spill occurs so we can take actions to eliminate a problem	Keep a record of the spills reported before and after notification	City of Vine Grove			Yes	Yes	Yes
	Train City Employees in spill response	enable all city employees to react in a proper manner	conduct a class and ask questions to check their knowledge on spill response, keep a record of the employees reactions on any spills	City of Vine Grove	Yes	Yes	Yes	Yes	Yes
Used Oil Recycling	Encourage the community to recycle	Reduce or eliminate any oil spills or illicit discharges	Check with the local recycling center for an increase in oil being recycled	City of Vine Grove	Yes	Yes	Yes	Yes	Yes

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the day of __,

City of Vine Grove, Mayor