

# EPA STORM WATER

## NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM

EPA violations can carry heavy penalties and fines.

**Be a Clean Water Advocate - report offenders** – 344-6582  
during working hours, Bernalillo County Sheriffs – 798-7000  
after hours and weekends

Storm water runoff is our most common cause of water pollution. Unlike pollution from industry or sewage treatment facilities, which is caused by a discrete number of sources, storm water pollution is caused by the daily activities of people everywhere. Rainwater and snowmelt run off streets, lawns, farms, construction and industrial sites and pick up fertilizers, dirt, pesticides, oil and grease, and many other pollutants on the way to our river.

The United States Environmental Protection Agency (EPA) regulates storm water discharges under the Clean Water Act's National Pollution Discharge Elimination System (NPDES) program. The NPDES regulations cover discharges from municipal separate storm sewer systems (MS4s), certain industrial activities, and construction activities that disturb one acre or more of land. The information provided here describes the regulatory requirements for MS4s and construction activities involving one acre or more of disturbed land. **Contractors – NPDES information is contained in the Village application packets.**

### MS4s

The Storm Water Phase II Final Rule requires operators of regulated (MS4s) to obtain a NPDES permit and develop a storm water management program designed to prevent harmful pollutants from being washed by storm water runoff into rivers, lakes and streams.

The 4<sup>th</sup> Street Improvement Project installed a storm drainage system which discharges into the Alameda Main Canal, which then discharges into the Rio Grande. Because of this storm system, the Village of Los Ranchos de Albuquerque is required to develop, implement and enforce an EPA, Storm Water Management Program designed to reduce the discharge of pollutants from a municipal separate storm sewer system (MS4) to the maximum extent practicable, to protect water quality, and to satisfy applicable surface water quality standards. The management program includes best management practices; public education and involvement; control techniques; system design and engineering methods.

The Village of Los Ranchos was permitted as an MS4 in May, 2011. The Village Storm Water Management Program includes the following six minimum control measures:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

The Village has only one outfall into the Alameda Drain (Main Canal) on Willow. The inlets are marked that these waters flow to the Rio Grande.

### **What are Storm Water pollutants?**

There are hazards associated with illegal discharges and improper disposal of waste. Endangered species specific to the Village of Los Ranchos are:

1. Fish — Rio Grande Silvery Minnow
2. Bird — Mountain Plover, Southwestern Willow Flycatcher, Bald Eagle, Mexican Spotted Owl
3. Mammal — Black-Footed Ferret

Additionally, polluted water affects other animals and humans alike. Pollution can be a result of water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 35.2005 (20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water.

### **What are storm water pollutants relevant to the Village???**

The 4<sup>th</sup> Street storm drain system is not the only way waters in the Rio Grande can be impacted. With Los Ranchos being so close to the river, there are potential pollution sources through the irrigation canals and ground water.

**Number One Polluter:** Animal waste: Fecal matter washed away into storm drains, irrigation canals, and sinking into the ground water causes an increase in fecal coliform bacteria. Pet owners and livestock owners need to control their animal wastes so that coliform bacteria does not enter the waterways. The

Village has installed signs, trash cans and doggie waste bags on many of the acequias and ditch trails. USE THEM!!!

Dumping trash, waste, tree branches, grass clippings, pool or pond water, oil, grease, household cleaners, transmission and radiator fluid, animal waste, deceased animals or any debris is **strictly prohibited**. Village Ordinance prohibits the burying of dead animals, animal waste or trash within the Village. Automobile wastes: Oil and grease pollute the waterways. Restaurant oil and grease traps and screens are required.

Erosion and Sediment: Sediment loads are of great concern for water quality.

Floatables: Poorly contained solid waste (like plastic bags, fast food containers and other debris) float in storm water and enter the drain system or canals, then flow to the River and do not disintegrate.

Potable water for each residence comes from the same aquifer and a threat to the quality of any part of the aquifer is a threat to all of it. The shallow water table in the Village area compounds this problem. The main threat to this aquifer is percolation of pollutants through the surrounding soil to the water table. The sources of these materials are many and varied, including leaking underground tanks and the leaching of materials from the surface, such as chemicals used for agricultural purposes and septic systems

Restaurant owners must install grease traps in their drains to prevent waste water contamination.

All new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale must submit proof of their construction NOI and Storm Water Pollution Prevention Plan (SWPPP) as well as a grading and drainage plan for on-site storm water retention after completion of construction.

Erosion and sediment as well as animal wastes are two of the Village's main sources of potential pollution.

What can you do?

Reduce fertilizer application to plants and agricultural crops. Ensure that borders are maintained so that irrigation and lawn water does not run into the street. Use herbicides with short residual life at lower effective concentration. Move sprinkler heads away from street. Install low water use landscaping utilizing Green Infrastructure, Low Impact Development practices. Educate yourself in plant science so that plants are cared for properly, without excess fertilizer or water. Reduce turf areas where appropriate. Use short cycles of watering instead of heavier water programs to eliminate runoff into streets. Use reduced pressure on irrigation system to reduce over-spray and misting. Make sure sprinkler systems,

drip systems and irrigation systems are in good repair, installed correctly and operate effectively. Improve grades on turf areas to eliminate runoff into streets and arroyos. Install silt boxes and cobblestone at runoff exits. So not allow any water to enter an acequias or ditch.

Contact Information:

Questions, comments or to report illegal discharge or dumping, contact Linda Seebach or the Village of Los Ranchos Code Enforcement Officer at 344-6582 or [lseebach@losranchosnm.gov](mailto:lseebach@losranchosnm.gov)

Information about industrial activities can be found at EPA's home web site for NPDES <http://cfpub.epa.gov/npeds/index.cfm>.

Other website links:

<http://www.epa.gov/npdes>

<http://bernco.gov> (Depts. Offices & Divisions/Water Resources Program/Storm Water)

VILLAGE OF LOS RANCHOS DE ALBUQUERQUE  
STORMWATER MANAGEMENT PROGRAM  
REVISED AUGUST 1, 2007

National Pollutant Discharge Elimination System  
General Permit for Discharges from Small Municipal Separate Storm Sewer Systems

**3.1 Notice of Intent**

- 3.2.1.** Village of Los Ranchos de Albuquerque, New Mexico  
NMR040000 State of New Mexico, except Indian Country Lands  
Urbanized area: Albuquerque, New Mexico  
Core area: Albuquerque, New Mexico
- 3.2.2.** Village of Los Ranchos de Albuquerque  
6718 Rio Grande Blvd. NW  
Los Ranchos de Albuquerque, NM 87107  
(505) 344-6582
- 3.2.3.** Linda Seebach, Director Planning and Zoning (505) 344-6582  
e-mail [lseebach@losranchosnm.gov](mailto:lseebach@losranchosnm.gov)
- 3.2.4.** Location map attached.(attachment 1)
- 3.2.5.** The Village has 4.5 square miles.
- 3.2.6.** Approximate Latitude 35 degrees, 10 minutes and Longitude 106 degrees, 40 minutes
- 3.2.7.** Receiving Waters of the US — Middle Rio Grande — Sub segments 20.6.4.105 and 20.6.4.106
- 3.2.8.** Not applicable
- 3.2.9. PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS**
- 3.2.9.1.** Best Management Practice (BMP) Publish stormwater quality information in Village newsletter and on Village web page.
- 3.2.9.1.** Best Management Practice (BMP): Incorporate information regarding stormwater quality on the Village web page and Village newsletter.

Implementation Schedule: Initial publication no later than February 1, 2007 and at an average interval of not less than 6

months thereafter.

Measurable Goal: Publication of stormwater quality data in newsletter and/or web page at least twice each year.

### **3.2.9.2. PUBLIC INVOLVEMENT AND PARTICIPATION**

**3.2.9.2.** Best Management Practice (BMP): Two public meetings were conducted, February 7, 2007, and March 7, 2007, to present the Phase II requirements and the Village proposed Plan. These were advertised in the newspaper, Village Newsletter and on the Village Web Page and posted on community bulletin boards. The advertisements exceeded legal requirements.

Implementation Schedule: Complete.

Measurable Goal for BMP: Complete.

### **3.2.9.3. ILLICIT DISCHARGE DETECTION AND ELIMINATION**

**3.2.9.3.** Best Management Practice (BMP): Replace existing on-site septic systems with a sanitary sewer collection system discharging to the City wastewater plant. This program is being implemented by the City of Albuquerque with approximately 60% of the Village completed. The current schedule, under the City's control, is to provide sanitary sewer service to the entire Village by 2012.

Implementation Schedule: Area I, Area J and Area K completion schedule.

Measurable Goals: Number of hook-ups to sewer system.

**3.2.9.3.** Best Management Practice (BMP): Inspect drains for dry weather flows. Trace any identified outfalls to source and determine if illicit. If Illicit, rectify.

Tracing sources of illicit discharge: Due to the nature of the Village MS4, source tracing will involve local tracking of the flow or other pollutant, typically expected to be within a few hundred feet. This is not expected to be a significant problem.

Implementation Schedule: Monthly during dry weather season (mid winter).

Measurable Goal for BMP: Inspect drains monthly.

**3.2.9.3.** Best Management Practice (BMP) Review and, if required, modify existing animal ordinances to minimize animal waste discharge to the drains. The Village Animal Control Officer will monitor and enforce compliance.

Public education will be through the Village Newsletter.

Implementation Schedule: Review within first year, if required, modify within second year.

Measurable Goal for BMP: Review complete. Program in Place

- 3.2.9.3.** Best Management Practice (BMP) Village Code Enforcement Officer to monitor illicit discharge.

Implementation Schedule: Village is currently hiring new Code Enforcement Officer (3 months)

Measurable Goal: Hire and train Code Enforcement Officer in illicit discharge detection and monitoring and inspection.

**3.2.9.4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

- 3.2.9.4.** Best Management Practice (BMP): Require all builders/ developers disturbing 1 acre or more to provide a copy of their SWPPP and a post-construction on-site water retention plan prior to issuance of their Village permit.

Implementation Schedule: In place

Measurable Goal: All plans involving disturbance of 1 acre or subdivision of more than 1 acre submitted with SWPPP.

- 3.2.9.4.** Best Management Practice (BMP): Provide training for plan review, construction inspection and construction observation for all appropriate personnel within one year of assumption of these duties.

Implementation Schedule: Currently on-going.

Measurable Goal: Number of reviews checked for NOI and SWPPP.

**3.2.9.5. POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT.**

- 3.2.9.5.** Best Management Practice (BMP): Each builder or developer must provide an on-site water retention plan which may utilize any one of a number of measures, berms, ponding areas, underground storage/holding tanks.

Implementation Schedule: In place.

Measurable Goal: Number of on-site water retention plans submitted

- 3.2.9.5.** Best management Practice (BMP) Sanctions and enforcement mechanisms, Ordinance and coordinate with Bernalillo County.

Implementation Schedule: Adopt Ordinance 211 by August 8, 2007

Measurable Goal: Number of violations for failure to retain storm water on-site.

**3.2.9.6. POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATORS**

- 3.2.9.6.** Best Management Practices (BMP) Schedule road maintenance and storm drainage maintenance. Recycle hazardous materials in the shop, as well as maintaining the shop in an environmentally sound manner.

Implementation Schedule: Maintenance scheduled. Inspections and check list for shop maintenance in place.

Measurable Goal: Number of times per year road and storm drains are maintained. Number of inspections and check list review for shop.

- 3.2.9.6.** Best Management Practice (BMP): Develop and implement training material based on the Storm Water Management Fact Sheet, EPA 832-F-99-010 and any future training guidance that EPA publishes.

Implementation Schedule: Review complete within first year. Update, if required each year thereafter.

Measurable Goals: Number of personnel trained.

**3.2.10 Endangered Species Act (ESA) Eligibility Provisions**

- 3.2.10.1.** Endangered Species Listing. Endangered species for Bernalillo County, as listed in the EPA NPDES website by common name, are:

1. Fish — Rio Grande Silvery Minnow
2. Bird — Mountain Plover, Southwestern Willow Flycatcher, Bald Eagle, Mexican Spotted Owl
3. Mammal — Black-Footed Ferret

- 3.2.10.1.** The Village MS4 does not propose significant changes to existing and historic drainage patterns. The proposed operation of the Village MS4 does not significantly contribute to the runoff entering the Rio Grande. The one outfall site flows into the Alameda Main Canal, maintained and operated by the Middle Rio Grande Conservancy District (M.R.G.C.D.).

Biological Assessment completed by C.H. Guernsey and Company, 2501 San Pedro Drive NE, Suite 211, Albuquerque, NM 87110, submitted August, 2007.

**3.2.11. PROVISIONS TO ADDRESS CONSIDERATIONS OF THE NATIONAL HISTORIC PRESERVATION ACT**

**3.2.11.1** The 4<sup>th</sup> Street Project is the only significant change to the historical drainage patterns of the Village of Los Ranchos. Attached is the FONSI with the State Historical Preservation Office sign-off for the 4<sup>th</sup> Street Project. (ATTACHMENT 2)

**3.2.13. PROVISIONS TO ADDRESS CONSIDERATION OF THE TOTAL MAXIMUM DAILY LOAD FOR FECAL COLIFORMS IN THE MIDDLE RIO GRANDE**

**3.2.13.1.** The Middle Rio Grande is listed as a Clean Water Act Section 303(d) impaired waters. (Middle Rio Grande Total Maximum Daily Load (TMDL) For Fecal Coliform, NMED, May 2002). A TMDL implementation plan or allocation plan has not been established for the Middle Rio Grande.

**3.2.13.1.** Stormwater runoff from the Village does not enter the Middle Rio Grande. The irrigation canal (acequia) banks are higher than the adjacent land, including the Village storm sewer system. No agricultural land is within the drainage basin of the storm sewer system. Most likely contamination would come from small (dog/cat) domestic animals. Consequently, significant fecal coliform pollutants from the Village MS4 are not probable.

**3.2.13.1.** Best management practices (BMPs): Public education for pet owners and land owners concerning fecal coliform contamination.

**3.2.13.1.** BMP: potential sources of fecal coliform bacteria within the Village storm sewer system area are addressed by:  
Domestic animal waste reduction program.  
Dry weather screening.

**3.2.13.1.** BMP: Ordinance 211, adopted August 8, 2007, prohibits landowners from burying animal waste, dead animals, garbage or toxic chemicals.

**5.2 Minimum control measures**

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

**5.2.1.1** Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impact of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

- 5.2.1.2. 1.** *The Village of Los Ranchos (the Village) will conduct an educational outreach program to the general public regarding the impact of storm water discharges and mitigation factors via appropriate media, the Village Vision (articles) and the Village Web Site. Specific audiences, such as restaurant owners and contractors will be advised of their impact on storm water.*

*The Village's only storm drain will be marked to indicate that it drains to waterways.*

*The Village will also make available "household hazardous waste wheels" provided by Bernalillo County that provide information on reducing the use of hazardous materials in the home and a reminder that this reduction also impacts storm water. These wheels will be distributed during the household hazardous waste quarterly collection events sponsored by Bernalillo County and the city of Albuquerque and available at their hazardous waste collection center.*

- 2. – 4.** *The Village Vision is sent to every resident and business within the Village of Los Ranchos, a circulation of 2155. The Village issues approximately 100 building permits each year. Contractors are required to submit a copy of their SWPPP and post construction on-site water retention plan.*
- 3.** *Targeted audiences and target pollutants and sources include restaurants which are required to install grease traps. This target audience will be advised during the building or licensing process of how wastes (grease and oil) impact storm water.*
- 5.** *Measurement of goal achievement will be in terms of number of articles published during permit process, code enforcement cases, number of website visitors, number of restaurants complying and number of contractors complying with SWPPP and post construction on-site water retention.*
- 6.** *Implementation Schedule: Review complete within first year. Update, if required each year thereafter. Yearly statistical analysis and report.*
- 7.** *The Planning and Zoning Department will be responsible for implementing and coordinating the education activities.*

## **5.2.2. Public Involvement/Participation**

- 5.2.2.1.** **Develop and implement a plan to encourage public involvement and participation in the development and implementation of the SWMP.**

*Best Management Practice (BMP): Two public meetings were conducted, February 7, 2007, and March 7, 2007, to present the SWMP requirements and the Village proposed Plan. These were advertised in the newspaper, Village Newsletter and on the Village Web Page, and posted on community bulletin boards. The advertisements exceeded legal requirements.*

- 5.2.2.2.** Develop and implement a process by which public comments to the plan are received and reviewed by the persons(s) responsible for the SWMP.

*The public was invited to be involved in the development and submittal of the Village NOI and SWMP through Public Meetings and written articles. Data from the public meetings and other public comment are incorporated in this SWMP*

- 5.2.2.3.** Make the SWMP and NOI available to the public and to the operator of any MS4 or Tribal authority receiving discharges from the small MS4

- 5.2.2.4. 1.** *During the development process, the Village published articles in the Village Vision inviting citizen participation, posted information on the Village Website, hosted public meetings, published notice of the meetings in the local newspaper and on community bulletin boards.*
- 2.** *During development of the SWMP, citizens from the Village of Los Ranchos were invited to attend public meetings and offer suggestions for the SWMP.*

*The public may continue to submit information, identify issues and concerns and ask questions. If there are complaints about a property, the Village Code Enforcement Officer investigates the complaints. The Village Planning and Zoning Commission and the Board of Trustees are also part of the review process, and the public has an opportunity to comment during these public meetings. The Village requires signs and public notice for requests for variances or other changes.*

*Once the permit application is submitted, we will continue to conduct outreach and educational sessions about storm water with neighborhood associations, public interest groups and contractors.*

*Contractors will be involved during the permitting process. Specific audiences, such as restaurant owners, will be advised of how grease and oil impact storm water.*

- 3.** *At the meetings notes were made of citizen input concerning the SWMP.*

*The Website includes the e-mail address for Planning and Zoning contact personnel.*

4. *Website linking information is also posted on the web for:  
<http://www.epa.gov/npdes>  
<http://www.bernco.gov/npdes>*
5. *Statistics are kept on the number of responses from the public by the Planning and Zoning Department staff, the number of infractions and the number of contractors with SWPPP and post-construction on-site water retention.*
6. *Implementation Schedule: Review complete within first year. Update, if required each year thereafter. Over the five year permitting process, annual reports will be submitted.*
7. *The Planning and Zoning Department will be responsible for implementing and coordinating the public involvement/participation activities.*
8. *Citizen input was minimal for the submission of the NOI.*

### **5.2.3. Illicit Discharge Detection and Elimination.**

- 5.2.3.1. Develop, implement, and enforce a program to detect and eliminate illicit discharges into the small MS4.

*Best Management Practice (BMP): Replace existing on-site septic systems with a sanitary sewer collection system discharging to the City wastewater plant. This program is being implemented by the City of Albuquerque with approximately 90% of the Village completed. The current schedule, under the City's control, is to provide sanitary sewer service to the entire Village by 2008.*

*Best Management Practice (BMP): Inspect Drains for dry weather flows. Trace any identified outfalls to source and determine if illicit. If Illicit, rectify.*

*Tracing sources of illicit discharge: Due to the nature of the Village MS4, source tracing will involve local tracking of the flow or other pollutant, typically expected to be within a few hundred feet. This is not expected to be a significant problem.*

*Best Management Practice (BMP) Review and, if required, modify existing animal ordinances to minimize animal waste discharge to the drains. The Village Animal Control Officer will monitor and enforce compliance. Public education will be through the Village Newsletter.*

*Best Management Practice (BMP) Train Village personnel for “spotting” illicit discharge.*

- 5.2.3.2.** Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls.

*Storm Sewer Map Development: The Village has maps showing the 4<sup>th</sup> Street Project and outfall. These maps are included with the SWMP.(ATTACHMENT 4)*

- 5.2.3.3.** To the extent allowable under State, Tribal or local law, effectively prohibit through ordinance or other regulatory mechanism, non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions (including enforcement escalation procedures for recalcitrant or repeat offenders);

*Ordinance 211 to be adopted by Village Board of Trustees August 8, 2007.*

- 5.2.3.4.** Develop and implement a plan to detect, identify the source of, and address non-storm water discharges, including illegal dumping, to the system.

*Through the public education program, voluntary reporting of incidents of illegal discharge and illegal dumping will be sought. Additionally, Village personnel will be trained to spot illegal discharges and illegal dumping.*

- 5.2.3.5.** Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste;

*Best Management Practice (BMP) present articles in the Village Vision and the Village Website, as well as coordinating with Bernalillo County.*

- 5.2.3.6.** Address the following categories of non-storm water discharges or flows (i.e. illicit discharges) only if the small MS4 identifies them as significant contributors of pollutants to the small MS4.

*Best Management Practice (BMP) Non-storm water discharges have not been identified as significant contributors of pollutants. Priority areas will be determined when specific problems are identified. Currently, no "hot spots" are identified. Due to the small size of the Village, these BMPs will be implemented throughout.*

- 5.2.3.7.** Conduct dry weather field screening for non-storm water flows.

- 5.2.3.8.** Address on-site sewage disposal systems that flow into the storm drainage.

- 5.2.3.9. 1. *The Village has only one outfall discharge point. Systems map attached. Due to the nature of the Village MS4, source tracing will involve local tracking of the flow or other pollutant, typically expected to be within a few hundred feet. This is not expected to be a significant problem.*
2. *The Village will adopt the storm water management Ordinance 211 on August 8, 2007.*
3. *The Village works closely with Bernalillo County MS4 to coordinate detection and enforcement policies.*
4. *The size of the Village discharge of 5 cfs, when it rains, does not offer significant contribution to pollutants.*
5. *Training for plan review and Village employees in the field targets storm water BMPs. As part of the Village's on-going maintenance of our storm drainage facilities, these facilities are inspected on a regular basis. Village storm drain maintenance crews inspect in dry weather for any dry weather flow. If such flows are found, the crew will track the flow back to the source, find the cause of the discharge and inform the property owner of the non-storm water discharge. If the non-storm water discharge has not been identified as a significant contributor of pollutants, then no corrective action would be required. The Village does not anticipate that many, if any, dry weather flows will be found, primarily because the Village's roadway storm drain system is not extensive. This system's collection of storm water is limited to the Fourth Street Storm Water Drainage System for certain portions of the roadway in the Commercial district. Routine maintenance and visual inspection of the Willow Road stormceptor and outfall will be an on-going maintenance program as part of the Village NPDES/SWMP.*
6. *Articles in the Village Vision and on the Village website specifically address the hazards associated with illegal discharges and improper disposal of waste.*
7. *Goals for the illicit detection and elimination program include staff training and cooperative efforts with Bernalillo County inspectors. Given the Village's extremely limited resources, these measurable goals were selected based upon the total population impacted and the low cost and ease of implementation.*
8. *Implementation Schedule: Review complete within first year. Update, if required each year thereafter.*
9. *The Planning and Zoning Department is responsible for implementing and coordinating illicit discharge detection and elimination activities.*

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

- 5.2.4.1.** Develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

*Best Management Practice (BMP): Provide training for plan review, construction inspection and construction observation for all appropriate personnel within one year of assumption of these duties.*

*Best Management Practice (BMP): Review existing Village and Bernalillo County agreements for construction site inspection to ensure stormwater quality is adequately addressed.*

- 5.2.4.2.** Using an ordinance or other regulatory mechanism available under the legal authorities of the small MS4, require construction site operators to practice erosion and sediment control and require construction site operators to control waste and properly dispose of wastes, such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

*Best Management Practice (BMP): Incorporate the NOI and SWPPP procedure and process in the review process.*

- 5.2.4.3.** Review all site plans for potential water quality impacts, including erosion and sediment control, control of other wastes, and any other impacts that must be examined according to the requirements of the law, ordinance, or other enforceable mechanism of Part 5.2.4.2. Before ground is broken at the construction site, the small MS4 operator must review the plans and verify that the BMPs proposed for the site are or would generally be expected to be appropriate for site conditions if properly installed and maintained. The MS4 Operator is not required to guarantee that BMPs selected by the construction site operator will prove effective in practice. Responsibility for replacing BMPs that prove ineffective in practice remains with the construction site operator.

*Best Management Practice (BMP): Provide training for Plan reviewers and ensure that Code Enforcement Officer for construction is trained.*

- 5.2.4.4.** Develop and implement procedures for site inspection and enforcement of control measures (including enforcement escalation procedures for recalcitrant or repeat offenders). Where the permit lacks legal authority for

direct enforcement action, the program must include notification procedures and if a construction site operator fails to comply with procedures or policies established by the permittee, the permittee may rely on EPA and the state environmental agency for assistance in enforcement of this provision of the permit.

- 5.2.4.5.** 1. *Village Ordinance 211 to be adopted August 8, 2007.*
2. *Sanctions and enforcement mechanisms are included in the ordinance and the Village will coordinate with Bernalillo County.*
3. *The Village requires all builders disturbing one acre or more or part of a one acre or larger subdivision to provide a copy of their SWPPP and a post-construction on-site water retention plan prior to issuance of their Village permit. Planning and Zoning staff, usually the Code Enforcement Officer, performs on-site inspections during the construction period.*
4. *Village staff receives phone calls, e-mails or letters from the public And these are turned over to the Village Code Enforcement Officer.*
5. *Measurable Goals include compliance by all builders within the Village based on inspections, number of Code Enforcement cases within any year and number of volunteer reports. Given the Village's extremely limited resources, these measurable goals were selected based upon the total population impacted and the low cost and ease of implementation.*
6. *Implementation Schedule: Currently in place. Review complete within first year. Update, if required each year thereafter. Planning and Zoning Assistant completed inspection training on July 12, 2007. Code Enforcement Officer will be trained at first opportunity.*
7. *The Planning and Zoning Department is responsible for overseeing construction site runoff control activities.*

*Measurable goals: No building permits for disturbance of one acre or more will be permitted without NOI/SWPPP.*

- 5.2.5.2.** Develop and implement strategies that include a combination of structural and/or non structural BMPs appropriate for the community.

*Best Management Practices (BMP) — Require builders/ developers to submit post- construction on-site water retention plan – berms, ponding areas, underground retention, etc.*

*Measurable goals: No building permits accepted without on-site water retention plan.*

- 5.2.5.3.** Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under the legal authorities of the small MS4.

*Village Ordinance 211 to be adopted August 8, 2007.*

- 5.2.5.4.** Ensure adequate long-term operation and maintenance of BMPs

- 5.2.5.5.** 1. *Each builder or developer must provide an on-site water retention plan which may utilize any one of a number of measures, berms, ponding areas, underground storage/holding tanks.*

2. *Ordinance to be enforced upon adoption.*

3. *Village planning and zoning staff, the Code Enforcement Officer and other Village personnel inspect the property and evaluate the effectiveness of the BMP employed.*

4. *The Village gives handouts to developers and builders concerning project design that minimize water quality impacts and works with them to design effective measures.*

5. *Measurable Goals include compliance by all builders within the Village based on inspections, number of Code Enforcement cases within any year. Given the Village's extremely limited resources, these measurable goals were selected based upon the total population impacted and the low cost and ease of implementation.*

6. *Implementation Schedule: Currently in place, ongoing. Review complete within first year. Update, if required each year thereafter*

7. *The Planning and Zoning Department is responsible for overseeing construction site runoff control activities.*

## **5.2.6. Pollution Prevention/Good Housekeeping for Municipal Operators**

- 5.2.6.1.1.** Maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the small MS4.

*Best Management Practice (BMP) The Village Maintenance Department will be responsible for scheduled road maintenance and storm drainage maintenance. Village Maintenance Department will be responsible for*

*recycling hazardous materials in the shop, as well as maintaining the shop in an environmentally sound manner.*

- 5.2.6.1.2.** Controls to reduce or eliminate the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt and sand storage locations and snow disposal areas.

*Best Management Practice (BMP): Perform an audit of municipal activities such as park maintenance, fueling areas, fire department operations, etc. to identify activities which may impact stormwater quality and which are not covered by existing BMPs.*

- 5.2.6.1.3.** Procedures to properly dispose of waste removal from the small MS4 and municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris.

*Best Management Practice (BMP): Procedures in place to address potential municipal operations pollutant discharges.*

- 5.2.6.1.4.** Procedures to ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices.

*Assessment of new and existing flood management projects for impacts on water quality and incorporation of appropriate controls: New public works projects will incorporate stormwater management in accordance with BMPs*

- 5.2.6.2.**
- 1.** *The Village only has one maintenance department.*
  - 2.** *The Village does not own or operate any industrial facilities.*
  - 3.** *Village employees will be given annual training on the disposal of materials that may contribute to the pollution of storm water discharge. New employees will receive information in their new employee's package.*

*The Village has developed and implemented training material based on the Storm Water Management Fact Sheet, EPA 832-F-99-010 and will be updated to include any future training guidance that EPA publishes. This training includes the Storm Water Management Plan, processes and materials that the staff works with, safety hazards, practices for preventing discharges, and procedures for responding quickly and properly to hazardous materials incidents in conjunction with the Village Fire Department. The information provided to employees on the impact of storm water contamination will be similar to the information provided to the general public under our public*

*information BMPs. The staff currently receives training on the proper handling of hazardous materials and the impact of improper disposal of these materials on storm water has been added to the information.*

- 4. Measurable Goals include the inspection and cleaning of storm inlet/outlet structures, measured by the number of structures inspected and cleaned per year; inspect storm sewers to ensure integrity of the system and also identify any dry weather flows, measured by the number of dry weather flows identified and remedied; clean storm sewer lines, inspect culverts; training in appropriate safety, BMPs, regulations and other areas as needed; measured by number of staff completing training. Capture spills on shop floors using dry chemicals and store in collection containers, capture and recycle used oils, antifreeze and parts cleaners.*
- 5. Implementation Schedule: Review complete within first year. Update, if required each year thereafter*
- 6. The Planning and Zoning Department is responsible for overseeing construction site runoff control activities.*

Please e-mail [lseebach@losranchosnm.gov](mailto:lseebach@losranchosnm.gov) or write to Linda Seebach, Director, Planning and Zoning, Village of Los Ranchos de Albuquerque, NM 87107.