

**VILLAGE OF LOS RANCHOS DE ALBUQUERQUE, NM**  
**STORMWATER MANAGEMENT PROGRAM**  
**ANNUAL REPORT July 2014 - June 2015**

National Pollutant Discharge Elimination System  
General Permit for Discharges from Small Municipal Separate Storm Sewer Systems  
Permitted May 11, 2011 NOI Tracking No. NMR04A006

**3.1 ANNUAL REPORT 2014-2015**

- 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. Tim McDonough, Director Planning and Zoning (505) 344-6582  
e-mail [tmcdonough@losranchosnm.gov](mailto:tmcdonough@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

**REPORT:** The Village Submitted the permit request on March 26, 2007 with supplemental data submitted on August 11, 2007. EPA permitted the Village of Los Ranchos de Albuquerque MS4 on May 11, 2011.

In addition to submitting the NOI in 2007, the Village Board of Trustees adopted Ordinance 211, the Storm Water Management Ordinance in August 2007. Since that date the Village has continued to implement and practice the Best Management Practices (BMPs) listed in our SWMP and enforce Ordinance 211, which has been incorporated into the Village Codified Ordinances (Code) as Chapter 4 Article 3 (§ 4.3).

The Village of Los Ranchos de Albuquerque lies in the North Valley Area of metropolitan Albuquerque. The Village is composed of 4.5 square miles with the major portion being Agricultural/Residential. The 2010 Census listed 2,366 housing units in the Village. The Village storm sewer system is in the southeastern most portion of the Village and is 6,000 feet in length with one .5 cfs outfall to the Alameda Drain which belongs to the Middle Rio Grande Conservation District. The Village received approximately 10.5 inches of total rainfall in the 2014-2015 reporting period.

Aside from including a report of the completion of Goals established in 2007, the following report covers the permit period from July, 2014 through June, 2015.

### **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.

REPORT: Four articles initially appeared in the Village Vision concerning stormwater regulations, stormwater impact on the Rio Grande, (receiving waters), and consequences of pollution of ground water. Articles regarding stormwater pollution prevention continue to be published periodically. Stormwater Management Information for residents, businesses and contractors was posted on the Village website in May 2007 and continues to be posted.

An EPA Watershed Permit update is given monthly to the Village Board of Trustees and published in the Village Vision

### **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 Vision 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 Albuquerque/Bernalillo County Water Utility Authority wastewater plant. This program is being implemented by Albuquerque/Bernalillo County Water Utility Authority.

Implementation Schedule: The sanitary sewer system was completed in the Village in 2009. Area I, Area J and Area K completed on schedule.

**REPORT:** Area sanitary sewer systems are in place and functional. Additionally, each resident in the Village of Los Ranchos in older project areas was sent a status inquiry letter based on the Albuquerque/Bernalillo County Water Utility Authority data base. Each resident/business required to connect by connection distance as per Ordinance 231 which had not yet connected to the available sewer system was issued a need to comply letter and put on a code enforcement list for follow up compliance. Each resident or business is required to abandon existing septs and have them inspected for compliance by New Mexico Environmental Department.

Currently only 15 households remain on the sewer must connect list that have not responded and 2138 connections have been made - **99% compliance**. The remaining 15 are being contacted by the Village Attorney for mandatory compliance with sewer connection. Nearly half have legal judgments against them. All new construction is required to connect to the sanitary 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.

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

Measurable Goal for BMP: Inspect drains monthly.

**REPORT:** The drains were marked as required with NPDES drain markers. Monthly inspections since June, 2007 were made to ensure the drain markers were in place and to check for any illicit dry weather flows. In July 2015 the Village identified that a grease/oily substance had been discharged into a stormdrain inlet on 4<sup>th</sup> St. Further investigation determined that it most likely was cooking grease. A nearby food truck was suspected. The Village contacted the owner of the food truck and explained the importance of proper disposal of the cooking grease. The Village had the grease and inlet cleaned and have not seen any additional episodes. Aside from this one incident, no illicit discharges have been found, drain markers have been replaced as needed and any debris on drains was removed.

**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.

**REPORT:** No animal waste discharge into the MS4 has been detected during the previous year.

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

Implementation Schedule: Three months

**REPORT:** Keen Heinzelman, Code Enforcement Officer was hired in November, 2007, his duties include stormwater code enforcement, drain monitoring, supervising street sweeping, illicit discharge detection 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.

**REPORT:** The Village issued 15 building permits for new or significant additional structure construction since July 1, 2014 all of which were reviewed for storm water requirement compliance. Only one of the construction permits required NOI or SWPPP due to most being less than one acre in size or construction on agricultural farmland. All new building or additions over 50% were required to provide post construction on-site stormwater retention measures.

**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 for stormwater compliance.

**REPORT:** P&Z Director performs all plan reviews. Code Enforcement Officer performs construction inspection and construction observation. All new building or additions over 50% were monitored for erosion and sediment control, control of waste and proper disposal of wastes – discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site. P&Z Director has completed SWPPP Qualified Person training through the Associated General Contractors in Albuquerque.

### **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 per Ordinance 211.

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

**REPORT:** All building permits for additions over 50% or new construction are required to submit on-site water retention plans. Installation inspection certified by engineering company designing plan or other qualified personnel.

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

Implementation Schedule: Adopted Ordinance 211 August 8, 2007

**REPORT:** Ordinance 211 was adopted August 8, 2007. The Village has had drought years so the number of infractions has been limited. Ordinance 211 has been incorporated into the Village Code as § 4.3. Stormwater Management.

#### § 4.3.7 Violations, Noncompliance, Penalty.

A. If the Director finds that any of the conditions of this Article are being violated, he shall notify in writing, the owner, tenant, agent, occupant, or person in charge of the premises, indicating the nature of the violation and ordering its correction within seventy two (72) hours from the date of notification, or in case of severe overflow violation, immediate remedy.

B. Where, after investigation, a notice has been issued by the Director or his authorized representative to the owner, tenant, agent, occupant, or person in charge of the premises on which a violation has occurred and the order is not complied with, within the designated time, or if the responsible party or violator cannot be found or determined, the Director may cause such remedies as are necessary to be made. The reasonable cost of such remedies shall constitute a lien against the property on which the violation occurred and was remedied. The

lien shall be imposed and foreclosed in the manner provided in NMSA 1978, Sections 3-36-1--3-36-6.

C. For prohibited dumping or groundwater contamination, or a second violation of this Article, the Director or designated representative is hereby authorized to issue citations for violation of this Article. Such citations shall order the alleged violator to appear on a date certain in Village Municipal Court at the next regularly scheduled Court session or any special setting the Judge may designate. Violators will be prosecuted to the full extent of the law.

### **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.

**REPORT:** The storm drains have been inspected monthly, as well as the outfall into the Alameda main canal. The storm sewer system receives a full vacuum cleaning every two years. The 2600 foot portion of 4<sup>th</sup> Street which contains the storm sewer system was swept approximately every six weeks resulting in twenty-one (21) cubic yards of sediment removed.

**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.

**REPORT:** The training manual for employees was completed in May, 2007. All five current staff members working in the field have been trained concerning observation of illicit discharge, adequacy of on-site stormwater retention plans, illegal dumping and animal feces control. Additionally, both the Planning Director and Code Enforcement Officer received additional training through Bernalillo County Public Works and an EPA local meeting.

### **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 operation of the Village MS4 does not significantly contribute to the runoff entering the Rio Grande. The one outfall site, constituting 5 cfs. during the 100 year storm, 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. The FONSI with the State Historical Preservation Office sign-off for the 4<sup>th</sup> Street Project was submitted with the NOI.

### **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 had not been established for the Middle Rio Grande until recently, for application in the new Watershed based Stormwater Permit for the Middle Rio Grande.

**REPORT:** Stormwater within the Village proper is retained within the Village and infiltrates into the soil and does not enter the Middle Rio Grande. The irrigation canal (acequia) banks are higher than the adjacent land. No agricultural land is within the drainage basin of the storm sewer system. 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: Article 4.3, adopted August 8, 2007, prohibits landowners from burying animal waste, dead animals, garbage or toxic chemicals.

**REPORT:** The program for domestic animal waste reduction is ongoing. Signs and “doggie clean up bags” are placed along Village Trails in the Open Space and along acequias and ditches which have pedestrian trails.

Currently there are 15 “doggie clean up stations” with bags and receptacle for disposal. Over the period of this report over 2,945 pounds of waste were collected from these stations and deposited in the permitted landfill.

Article 4.3 prohibited burying of animal waste due to groundwater contamination with provisions for enforcement and penalties.

## **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 has been marked to indicate that it drains to waterways.

The Village has also made 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 are 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.** The Village Vision is sent to every resident and business within the Village of Los Ranchos, a circulation of 2300+.

**3.** Targeted audiences and target pollutants and sources include restaurants which are required to install grease traps. This target audience is advised during the building or licensing process of how wastes (grease and oil) impact storm water.

**4.** 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.

5. Implementation Schedule: Review complete within first year. Update, if required each year thereafter. Yearly statistical analysis and report.

6. The Planning and Zoning Department will be responsible for implementing and coordinating the education activities.

**REPORT:**

- Village Vision monthly update reports
- Stormwater management information posted to web
- 15 building permits required construction monitoring
- All building sites require on-site water retention
- Department working with State Environmental Health for restaurant compliance
- Animal waste signs and “doggie bags” on trails

**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.

**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.

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.

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.

9. The Village posted and submitted the NOI for the upcoming Watershed Based Permit, submitted on June 1, 2015. Again there were no comments to the NOI, but one request for information on any ordinance revisions required under the new permit.

**REPORT:** 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 on going 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. In July 2015 the Village joined the Middle Rio Grande Stormwater Quality Team (MRGSQT) a group formed to deliver public education regarding stormwater pollution prevention throughout the middle Rio Grande area.

### **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 Albuquerque Bernalillo County Water Utility Authority (ABCWUA) wastewater plant.

**REPORT:** This program has been implemented by the ABCWUA with 100% of the Village now having sanitary sewer system available.

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

**REPORT:** Due to the nature of the Village MS4, which is only 6,000 feet long, source tracing involves local tracking of the flow or other pollutant, typically expected to be within a few hundred feet. This has not been a significant problem. As reported earlier in the report, in July 2015 the Village identified that a grease/oily substance had been discharged into a stormdrain inlet on 4<sup>th</sup> St. Further investigation determined that it most likely was cooking grease. A nearby food truck was suspected. The Village contacted the owner of the food truck and explained the importance of proper disposal of the cooking grease. The Village had the grease and inlet cleaned and have not seen any additional episodes.

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 monitors and enforces compliance. Public education is through the Village Newsletter.

Best Management Practice (BMP) Train Village personnel for “spotting” illicit discharge. All Village personnel have received training on the Village SWMP through the EPA NPDES Village Handbook.

**REPORT:** The Village Code Enforcement Officer, the Public Safety Officer, Animal Control Officer and Maintenance personnel are all alert for illicit discharge. In an area as small as the Village, word spreads quickly that severe fines will result from illicit dumping or 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.

**REPORT:** Storm sewer system map complete.

**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);

**REPORT:** Ordinance 211 (Article 4.3. Stormwater Management) was adopted by Village Board of Trustees August 8, 2007 and has continually been enforced.

**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.

**REPORT:** Through the public education program, voluntary reporting of incidents of illegal discharge and illegal dumping are sought. Additionally, Village personnel has been trained to spot illegal discharges and illegal dumping.

A hot-line reporting number is listed on the Village Website.

**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 and the Middle Rio Grande Conservancy District Ditch Riders.

**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.

**REPORT:** Non-storm water discharges have not been identified as significant contributors of pollutants. Priority areas are determined when specific problems are identified and corrective actions taken immediately. Currently, no "hot spots" are identified. Due to the small size of the Village, these BMPs have been implemented throughout and not just in the area of the storm sewer system.

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

**REPORT:** Dry weather field screening is conducted once every month.

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

**REPORT:** To date no on-site sewage disposal systems have been detected.

**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 involves local tracking of the flow or other pollutant, typically expected to be within a few hundred feet.

**2. REPORT:** The Village adopted the storm water management Ordinance 211 on August 8, 2007.

**3. REPORT:** The Village works closely with Bernalillo County MS4 to coordinate detection and enforcement policies.

**4. REPORT:** The size of the Village discharge of 5 cfs, during the 100 year storm, does not offer significant contribution to pollutants.

**5. REPORT:** 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. Procedure is that 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 has not found that many, if any, dry weather flows occur, 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 are an on-going maintenance program as part of the Village NPDES/SWMP.

**6. REPORT:** Articles in the Village Vision and on the Village website specifically address the hazards associated with illegal discharges and improper disposal of waste.

**7. REPORT:** Goals for the illicit detection and elimination program include staff training and cooperative efforts with Bernalillo County inspectors.

**8. REPORT:** 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.

**10. REPORT:** All staff members have been trained concerning observation of illicit discharge, adequacy of on-site stormwater retention plans, illegal dumping and animal feces control. Warnings were given and corrective action taken when illicit discharges were suspected but not actually observed.

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

**5.2.4.1.** Best Management Practice (BMP): 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.

**REPORT:** All applications for construction in the Village contain materials concerning NPDES. All applications are reviewed and construction managers given appropriate NPDES materials with compliance requirements.

**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.

**REPORT:** All submitted plans are reviewed. Construction sites are checked periodically throughout time of construction for any improper discharge. If anything is found amiss, the contractor is informed and given 24 hours to comply.

**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 was adopted August 8, 2007.

**2.** Sanctions and enforcement mechanisms are included in the ordinance and the Village coordinates with Bernalillo County.

**3.** The Village requires all builders disturbing one acre or more or part of a one acre or larger subdivision, not zoned agricultural, 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.** If Village staff receives phone calls, e-mails or letters from the public they 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.

6. Implementation Schedule: Currently in place. Review complete within first year. Update, if required each year thereafter. Planning and Zoning Director completed inspection training on July 12, 2007.

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 when required.

**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.

**REPORT:** All construction in the Village is required to have on-site water retention.

**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.

**REPORT:** Village Ordinance 211 was adopted August 8, 2007 and is enforced.

**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.

**REPORT:** The Village has issued 15 building permits for new or additional structure construction since July, 2014. Construction sites are checked periodically throughout construction for compliance and for post construction continual compliance.

#### **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, etc. to identify activities which may impact stormwater quality and which are not covered by existing BMPs.

**REPORT:** Village facilities, including park maintenance, are audited quarterly and reviewed on a daily on-going basis to identify and rectify any activities which may impact stormwater quality. All hazardous materials are stored and disposed of properly according to Village directives.

**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.

**REPORT:** Contract is in place to have the storm drain system cleaned and for disposal of waste removal including all spoil, sediment, floatables and any other debris.

**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 have been 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 Bernalillo County Fire Department. The information provided to employees on the impact of storm water contamination is 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 all of the structures being inspected and cleaned in an on-going basis each year; storm sewers inspected yearly to ensure integrity of the system including inspection of 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 Pollution Prevention/Good Housekeeping for Municipal Operators

**REPORT:** 1) Inspection and cleaning of storm inlet/outlet structures: all of the structures inspected and cleaned on an on-going basis each year. 2) Storm sewers were inspected yearly to ensure integrity of the system including inspection of culverts. Intake structures have been inspected and replaced as needed on a monthly basis. 3) Training in appropriate safety BMPs, regulations and other areas as needed: all staff has completed training. 4) Facilities maintenance: All employees capture spills on shop floors using dry chemicals and store in collection capture and recycle used oils, antifreeze and parts cleaners. All hazardous materials are marked, stored and disposed of appropriately.

Maintenance staff has been trained in various aspects of the Stormwater Management program; spotting illicit discharges, maintaining decals on storm drains, spotting illicit dumping, safe disposal of chemicals and oils, checking storm drains for debris and illicit discharge, keeping streets from soil build-up by sweeping.

Please e-mail [tmcdonough@losranchosnm.gov](mailto:tmcdonough@losranchosnm.gov) or write Tim McDonough, Director, Planning and Zoning Department, 6718 Rio Grande Blvd., Village of Los Ranchos de Albuquerque, New Mexico 87107.

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Tim McDonough, Director, Planning & Zoning

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Date