

**CITY OF ALLIANCE, OH  
STORMWATER MANAGEMENT PLAN  
APRIL, 2007**



The City of

**Alliance,** OHIO, 44601

"The Carnation City"

504 East Main Street

DIRECTOR OF PUBLIC SAFETY & SERVICE

JOHN B. BLASER

Phone (330) 821-3110  
Fax (330) 821-3166

April 20, 2007

Ohio EPA  
Office of Fiscal Administration  
P.O. Box 1049  
122 S. Front St.  
Columbus, OH 43216-1049

Re: **NOTICE OF INTENT for City of Alliance**  
**NPDES, Phase II: Stormwater Management Plan**

Dear Sir or Madam:

We respectfully submit our Notice of Intent requesting permission to discharge stormwater to the receiving surface waters of the State of Ohio in accordance with the General Permit Number OHQ000001. We have prepared our Stormwater Management Plan with supporting documents, which are included for your review and approval. Also enclosed is our review fee of \$200.

Thank you for your consideration. Please contact me at the number above, or the City Engineer, Curtis Bungard at (330) 823-5122 if you have any questions about our submittal.

Sincerely,

John B. Blaser  
Safety Service Director, City of Alliance

JBB/cdb

Cc: Dan Bogeovski, Northeast Ohio EPA, Division of Surface Water

*Certification:*

"I certify under penalty of law that this document and all attachments were prepared under my direction or in supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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."



---

John B. Blaser, Safety Service Director

4/20/07  
Date



# Notice of Intent (NOI) For Coverage Under Ohio Environmental Protection Agency General Permit

(Read accompanying instructions carefully before completing this form)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's NPDES general permit program. Becoming a permittee obligates a discharger to comply with the terms and conditions of the permit. Complete all required information as indicated by the instructions. Forms transmitted by fax will not be accepted. A check for the proper amount must accompany this form and be made payable to "Treasurer, State of Ohio." (See the fee table in Attachment D of the NOI instructions for the appropriate processing fee)

## I. Applicant Information/Mailing Address

Company (Applicant) Name: City of Alliance  
 Mailing (Applicant) Address: 504 E. Main St.  
 City: Alliance State: OH Zip Code: 44601  
 Contact Person: John B. Blaser Phone: (330) 821-3110 Fax: (330) 821-9362  
 Contact E-Mail Address: blaserjb@allianceoh.gov

## II. Facility/Site Location Information

Facility Name: City of Alliance  
 Facility Address/Location: 504 E. Main St.  
 City: Alliance State: OH Zip Code: 44601  
 County(ies): Stark/Mahoning Township(s): Butler  
 Facility Contact Person: John B. Blaser Phone: (330) 821-3110 Fax: (330) 821-9362  
 Facility Contact E-Mail Address: blaserjb@allianceoh.gov  
 Quarter: \_\_\_\_\_ Section(s): \_\_\_\_\_ Range: \_\_\_\_\_  
 Receiving Stream or MS4: Mahoning River

If aware of a state nature preserve within 1,000 feet of the facility/site, check here:

Enter river code here, if discharge is to a river designated scenic, wild, or recreational, or to a tributary within 1,000 feet (see instructions): \_\_\_\_\_

General Permit Number: OHQ000001 Small MS4 - Baseline Initial Coverage:  Renewal Coverage:

Type of Activity: Small MS4 - Baseline Fee = \$200

SIC Code(s): \_\_\_\_\_

Existing NPDES Permit Number: \_\_\_\_\_

ODNR Coal Mining Application Number: \_\_\_\_\_

Outfall	Design Flow (MGD)	Latitude	Longitude
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Other DSW Permits Required: \_\_\_\_\_

Proposed Project Start Date (MO DY YR): \_\_\_\_\_ Estimated Completion Date: (MO DY YR): \_\_\_\_\_

Total Land Disturbance (Acres): \_\_\_\_\_ MS4 Drainage Area (Square Miles): 8.68

Payment Information: Check # 058269 Check Amount: \$200 Date of Check: 03/07/07

For Ohio EPA Use Only

Check ID (OFA): \_\_\_\_\_

Person: \_\_\_\_\_

Place: \_\_\_\_\_

DOC #: \_\_\_\_\_

ORG #: \_\_\_\_\_

Rev. ID #: \_\_\_\_\_

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.

Applicant Name: John B. Blaser Title: Safety Service Director

Applicant Signature: [Signature] Date: 3/9/07

**City of Alliance**  
Stark County, Ohio

**Storm Water Management Program (SWMP)  
for Small Municipal Separate Storm  
Sewer Systems (MS4)**

Effective Date of Orders: November 1, 2006

In compliance with the Ohio Environmental Protection Agency  
National Pollutant Discharge Elimination System (NPDES) Permit No. OHQ000001  
Effective Date: December 27, 2002  
Expiration Date: December 26, 2007

**City of Alliance**  
Stark County, Ohio

**Storm Water Management Program**

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# Introduction

## Community Information

Incorporated as a City in 1850.

Current Population: 23,253 (source: 2000 Census).

Current area: Approximately 8.677 square miles (5,553 acres). (8.600 square miles in Stark County and 0.077 square miles in Mahoning County)

Location: in Stark and Mahoning Counties, northeast Ohio, approximately 20 miles northeast of the Stark County Seat, Canton, and 30 miles southwest of the Mahoning County Seat, Youngstown.

## Structure of Government

The City of Alliance is a Statutory form of government made up of three branches:

1. Executive Branch - includes the Mayor and his administration, the Law Department, Auditor, Treasurer and Civil Service Commission. It is the duty of the Executive Branch to administer/enforce the laws of the city.
2. Legislative Branch - is Alliance City Council. The City Council adopts ordinances and resolutions that become laws of the city.
3. Judicial Branch - is Alliance Municipal Court District and the Clerk of Courts Office. Alliance Municipal Court adjudicates misdemeanor crimes. In felony cases, municipal court holds preliminary hearings that bind the felony case over to the Stark County Court of Common Pleas.

## Legal Authority

Executive Authority - Alliance City Mayor and appointed officials.

Legislative Authority - Alliance City Council.

Judicial Authority - Alliance Municipal Court and Clerk of Courts.

## Funding for Storm Water Management Program

City General Fund

City Capital Improvements Fund

Ohio Public Works Commission Grants/Loans

Stark County Municipal Road Fund

### **Storm Water Management Legislation**

The City of Alliance has codified ordinances currently in effect which regulate drainage and potential pollutants to the city's sewers and waterways. During the permit period the city will review existing ordinances and determine if the ordinances need augmented or even repealed to conform with the city's Storm Water Management Program (SWMP). See Appendix A, B & D for a copy of current related ordinances.

### **Storm Water Management Committee**

The Storm Water Management Committee (SWMC) has been established by the City Public Service Director as a group to manage the implementation, execution, and reporting of the City Storm Water Management Program (SWMP). The SWMC consists of a representative from the following departments: Safety Service Director, Engineering and Building Department, Street Department, Sewer and Water Distribution Department, Health Department, Keep Alliance Beautiful, Parks, and the Water Pollution Control Center.

# Best Management Practices

for the

## Six Minimum Control Measures

- I. Public Education and Outreach on Storm Water Impacts
- II. Public Involvement/Participation
- III. Illicit Discharge Detection and Elimination
- IV. Construction Site Storm Water Runoff Control
- V. Post-Construction Storm Water Management in New Development and Redevelopment
- VI. Pollution Prevention/Good Housekeeping for Municipal Operations

### **I. Public Education and Outreach on Storm Water Impacts (3.2.1)**

#### **1. Public Education Media (Newspaper, Radio, Television) Campaign [xref: III.10.]**

Alliance will provide information to the newspaper for coverage of the Stormwater Management Plan goals. We wish to cover at least three topics during the permit period. The City will also do either radio announcements or television publications. Alliance will attempt to produce a public service announcement (PSA) for local radio stations. The purpose of the news articles and public service announcement will be to inform the public that a storm water management permit is now in effect for the City of Alliance and that they must play a critical role in protecting area waters. Alternatively, we will provide publications such as the EPA's "Tempest in a Channel" and/or "At the Water's Edge" to local college or Public Access television stations.

*Responsible Department:* Safety Service Director

*Legal Authority:* No legislative authority required, Safety Service Director to authorize.

Transmissions of PSA's and/or articles are subject to cooperation by local newspapers, radio, and television stations.

*Target Audience:* Adult population, homeowners, and businesses in the Alliance area.

*Justification:* A significant number of city residents get their information from the local newspaper and radio stations. It is important that the citizens be informed that a new storm water program is in place for the community and that they play a critical role in this program. Airing of the EPA and other productions on Public Access television will give a better understanding of the stormwater concepts.

*Goal:* We wish to run at least three newspaper articles about the program covering three different topic areas. During the permit period, run the PSA on two local radio stations (AM broadcast and FM broadcast) daily for a week, as allowed by radio stations. We also wish to run the television production twice a month for three months.

*Report:* Keep a written log of station, date, time of PSA's, program, or article. Copy of article or PSA text.

## 2. Pet Waste Management Handout

During their regular inspections of code enforcement and nuisances, the staff of the Alliance City Health Department and the Zoning Code Enforcement will inform residents of the proper methods of pet waste management. We will prepare a written information handout sheet for Health and Zoning Officials to give to residents that have potential for pet waste problems. Handout information sheet can be used for distribution at pet stores and dog license bureaus, as well.

*Responsible Department:* City Health Department and Zoning Code Enforcement

*Legal Authority:* No legislative authority required, City Health Commissioner and Zoning Code Enforcement Officer to authorize.

*Target Audience:* Persons violating City pet waste and odor codes and all pet owners

*Justification:* Accumulations of pet waste can wash into the storm drainage system and negatively impact the storm water quality. Proper management of pet waste can prevent these problems. Frequent contact and information provided to pet owners can help in assuring adequate pet waste management practices.

*Goal:* Develop information sheet/flyer for distribution within three years of approved permit and track number distributed.

*Report:* Keep a written log of number of information sheets distributed. Copy of information sheet.

## 3. Trash Management Handout

The staff of the Alliance City Health Department and Zoning Code Enforcement will provide written information sheets to residents with the potential for trash management problems during their regular inspections. When appropriate, orders to comply with City health codes and nuisance codes will be issued and enforced.

*Responsible Department:* City Health Department and Zoning Code Enforcement

*Legal Authority:* No legislative authority required, City Health Commissioner and Zoning Code Enforcement Officer to authorize.

*Justification:* Improper storage of trash can provide significant contamination of the storm water drainage system. It is important for homeowners to properly manage trash at their residence to control rodents, insects, and other vermin, as well as general pollution prevention.

*Goal:* Develop information sheet for distribution within three years of approved permit and track number distributed.

*Report:* Keep a written log of number of information sheets distributed. Copy of information sheet.

#### 4. Use of the Internet for Education and Outreach

The storm water management plan of the City of Alliance will be posted on the City of Alliance website. Additional pages will be developed providing visitors with information on how they can have a positive impact on the storm water quality in our area. Include phone numbers and e-mail addresses to involve the public for comments, questions, to turn in violations, etc. Provide links to other appropriate sites, such as Ohio and US EPA, Stark Soil and Water Conservation District, and ODNR. All flyers, notices, and PSA's will contain the Web address.

*Responsible Department:* City Engineer and City Webmaster

*Legal Authority:* No legislative authority required.

*Target Audience:* City web site visitors, browsers, people whom have received a topic flyer.

*Justification:* Being informed of the various aspects of this Storm Water Management Program (SWMP) is a critical first step in people being able to take action. The use of Internet technology provides an efficient way to provide access to this information. Provide means for feedback.

*Goal:* Establish a web page dedicated to the city's SWMP during the permit period. Continue maintenance of site once established

*Report:* Keep a written log of initial installation date of web page and subsequent updates/revisions and dates.

#### 5. Inform Business Leaders About Storm Water Management Program (SWMP)

Publish an article in the Alliance Regional Chamber of Commerce newsletter and develop a presentation to the members of the Chamber about the City's Storm Water Management Program.

*Responsible Department:* City Planning and Development Department

*Legal Authority:* No legislative authority required, City Planning and Development Director to authorize. Publication of article and presentation is subject to the approval of the Alliance Regional Chamber of Commerce.

*Target Audience:* Local area businesses and developers.

*Justification:* It is important to inform critical business leaders about the storm water management plan. The Chamber provides an effective forum to inform key business leaders in the community.

*Goal:* Publication of an article about the city's SWMP once during the permit period in the Alliance Regional Chamber of Commerce newsletter. One presentation to the Chamber during the 5 year permit period.

*Report:* Keep a written log of number newsletters circulated with city's SWMP article. Copy of article. Keep a written log of date and number of attendees to presentation. Copy of presentation outline.

## 6. Grease Management at Retail Food Operations

Provide information to area retail food operations during normal inspection by the health department on proper grease trap maintenance and cleaning. Improper use of grease traps will result in a notation of a violation during the food inspection.

*Responsible Department:* City Health Dept.

*Legal Authority:* No legislative authority required, City Health Commissioner to authorize.

*Target Audience:* Local area restaurants.

*Justification:* Improper grease management in food operations can have a negative impact on storm water discharges. Overflowing grease traps can contaminate the ground and be washed into storm sewers. In addition, grease can block sanitary sewers, causing sanitary surcharge/overflow onto the ground or into storm sewers.

*Goal:* Develop information handout sheet for distribution within two years of approved permit and track number distributed.

*Report:* Keep a written log of number of information sheets distributed. Copy of information sheet.

## 7. Informational Flyer and Printed Messages in Utility Bills

Insert flyer in utility bills and include short printed messages on utility bills. Residents of the City of Alliance will be informed of the overall SWMP with a flyer. Brief targeted seasonal messages can be printed on the utility bill itself. We can fit up to 540 characters. Topics could include grass cutting and fertilizing in the spring, car washing and pet waste in the summer, litter and leaf raking in the fall, salt or misc. in the winter.

*Responsible Department:* Messages as approved by Safety Service Director and Water Billing

*Legal Authority:* No legislative authority required, City Safety Service Director to authorize flyer.

*Target Audience:* Nearly every homeowner and business in Alliance with water, sewer, or sanitation.

*Justification:* Putting informational flyers or printed messages in with utility billing statements has the potential of informing nearly every residence and business in the city of proper waste management. Homeowners are an excellent target audience.

*Goal:* Brief message quarterly printed on the bills. Include an informational flyer with the utility billing statements annually.

*Report:* Keep a written log of messages included on the bills and the number of number of information flyers distributed. Copy of information flyer and text of messages.

## II. Public Involvement/Participation (3.2.2)

### 1. Inform Public Leaders

The Storm Water Management Program(SWMP) will be provided to Alliance City Council at implementation, along with annual reports of its status.

*Responsible Department:* City Safety Service Director and City Engineer.

*Legal Authority:* No legislative authority required.

*Justification:* It is important to get the commitment of city government leaders in the implementation of the SWMP. A reading of the plan into the public record is essential for the initial implementation of the plan

*Goal:* Within first year of our permit present the SWMP to City Council. Conduct annual reports to Council on SWMP status.

*Report:* Keep a written log of the date of submission of SWMP to Council and subsequent annual reports. Copy of Council agenda, applicable ordinances, and/or resolutions. Copy of annual report.

### 2. Provide phone numbers and e-mail addresses for Comments/Questions Regarding the City's SWMP [xref III.8, and IV.3]

The City will provide department phone numbers and e-mail addresses for points of contact regarding the program. This allows the community to give feedback about the program, ask questions, and report possible violations associated with the SWMP. Web site, flyers, utility bills, and handouts will include the contact information or refer to website for input or questions.

*Responsible Department:* City Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required. City Safety Service Director to approve.

*Target Audience:* All groups listed for the associated Public Education measures.

*Justification:* Members of the community must be able to easily contact the city to report suspected violations, ask questions, and make comments relative to the SWMP.

*Goal:* Questions, comments, and complaints with regards to the city's SWMP, as well as actions taken will be documented.

*Report:* Keep a written log of name, date, time, and nature of phone calls regarding the city's SWMP, and action taken.

### 3. Identify Storm Water Inlet Points [xref: V.3.]

New storm sewer inlet castings will be cast with markings indicating that storm water entering the inlet outlets into a stream.

*Responsible Department:* City Engineering and Building Department.

*Legal Authority:* No legislative authority required, City Engineer to authorize casting.

*Target Participant:* Developers, typically. Or, people dumping into CB's.

*Justification:* Identification of this key component of the watershed will increase the awareness of the members of the community and the potential negative impact of their actions.

*Goal:* New castings and replaced castings for storm sewer inlets used after the first year of permit period will be marked for awareness of intake water discharges into a stream.

*Report:* Photo or catalogue cut of casting(s) used. Keep a written log of number of new castings installed and number of replaced castings installed.

### 4. Participation in the "Keep Alliance Beautiful" Program

Incorporate the cleanup of stream banks, vacant lots, and other potential sources of adverse discharges into the watershed in the "Keep Alliance Beautiful" program. Storm water management practices will be incorporated into this program.

*Responsible Department:* Keep Alliance Beautiful

*Legal Authority:* No legislative authority required.

*Target Participant:* Typically Jr. High and High School age children and volunteer adults.

*Justification:* The Keep Alliance Beautiful has established periodic clean-up days in the community. Incorporating storm water management goals into these already existing clean-up efforts can leverage this key activity.

*Goal:* Attempt to establish one clean-up per year dedicated to areas in and around waterways in the city.

*Report:* Keep a written log of number days and participants on clean-up day. Log the amount of trash removed if possible.

5. Participation in the Alliance Leaf Pickup Program [xref VI.6.]

Alliance performs an annual bulk leaf cleanup program in which homeowners rake leaves to the curb lawns and the City Street Department picks them up. The leaves are taken to a local landscaping company where they are shredded, composted, and mixed with tree grindings and soil to create an augmented topsoil. We can begin to incorporate a yard waste message into our notices encourage participation by the public in the program.

*Responsible Department:* Street Department

*Legal Authority:* No legislative authority required.

*Target Participant:* Homeowners

*Justification:* By removing leaves from yards, we are eliminating a source of catch basin clogging, decaying matter in the storm systems, and nitrogen loading to the streams.

*Goal:* Perform one Citywide clean-up per year. Add the environmentally friendly message to notices in the newspaper or elsewhere to inform the public.

*Report:* Keep a written log of number days dedicated to leaf cleanup. Copy of posted schedules and text used for notices. Track the number of loads and/or tons of leaves collected.

### **III. Illicit Discharge Detection and Elimination (3.2.3)**

#### **1. Storm Sewer Maps (Mylar and Linen)**

The City Engineering and Building Department maintains mapping of the city's storm sewer drainage system on approximately 65 sewer atlas sheets (24"x36") covering the entire city and beyond. The atlas sheets are 1"=100' scale. The atlas sheets include storm sewer main lines, manholes, inlets and outlets, as well as, streams, sanitary sewers, street right-of-ways, and city lots. Reduced 8 ½ x 11 copies of the atlas sheets are in Appendix C.

*Responsible Department:* City Engineering and Building Department

*Legal Authority:* Legislative authority may be required.

*Justification:* A comprehensive infrastructure map will enable the city to monitor inlet points to the city storm drainage system and outfalls to surface waters of the State.

*Goal:* The city will continuously update these dynamic maps and make them available to the City Sewer and Water Distribution Dept. and the public. Within five years, identify and number the storm system outfall locations on the maps and list the names and locations of all receiving waters of the State that, as a minimum, show up as a blue line on the 1:24000 scale US Geological Survey maps.

*Report:* Keep a written log of major updates to storm drainage system on the atlas sheets, such as new subdivisions, annexations, or storm projects. (Minor corrections to the sheets will not be logged.) Create a list of the storm outfalls and label them on the maps.

#### **2. List and Map On-Site, Off-Site, and Failing Sewage Disposal Systems**

Compile a list of all sewage disposal systems within the city, to include home sewage treatment systems (HSTS). Compile a list of all on-site HSTS outside the city that may discharge indirectly to our storm system. Mark the locations of on-site, off-site, and failing sewage disposal systems and the surface waters of the State on city sewer atlas maps or other maps.

*Responsible Department:* City and County Health Dept.(list) / City Engineering Dept.(map)

*Legal Authority:* No legislative authority required, City Health Commissioner and City Civil Engineer to authorize.

*Justification:* A comprehensive list and map identifying locations of on-site sewage disposal systems in and around the city will allow for effective investigations to potential contamination or pollution of State surface waters.

*Goal:* A list of on-site sewage disposal systems will be compiled within a five years period and be continually update. The city will prepare the map and make it available to the Health Dept.'s and the public.

*Report:* Keep a written list of location and type of on-site sewage disposal systems. Keep a list of updates of on-site sewage disposal systems on the map. Copy of map to be included in report updates.

### 3. Inspection of Storm Sewer Outfalls

Perform inspection of outfalls to detect possible illicit discharges.

*Responsible Department:* Sewer and Water Distribution Dept. and Eng. and Building Dept.

*Legal Authority:* No legislative authority required, City Engineer and Distribution Department Superintendent to authorize.

*Justification:* Periodic inspection of flow at outfalls will help to monitor possible illicit discharges.

*Goal:* Inspect outfalls during dry weather (typically July to August). Inspect each once during the first permit period. Track the number of inspections performed annually. *3 days < 0.1 "*

*Report:* Keep a written log of outfall inspected, findings, and recommended actions.

### 4. Televising of Sanitary Sewers

Perform televising of sanitary sewers to detect cross connections (intended or naturally occurring). The city Distribution Dept. has been televising sanitary sewers as part of its Inflow and Infiltration (I/I) program since 1995.

*Responsible Department:* Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required, Distribution Department Superintendent to authorize.

*Justification:* By televising sanitary sewer lines suspected of cross connection problems, decisions can be made to replace or rehabilitate pipe and reduce or eliminate possible contamination of surrounding ground waters and/or sanitary sewer overflows.

*Goal:* Televising all lines necessary as indicated by smoke testing and other methods employed to determine areas of problems as part of the City's continuous I/I program to facilitate timely repairs of problems uncovered.

*Report:* Keep a written log of all I/I activities detailing areas studied, methods employed, problems found, and corrective actions taken.

### 5. Dye Testing or Smoke Testing of Public Sanitary Sewers

Perform smoke and dye testing of City sewers to detect cross connections (intended or naturally occurring). The city Distribution Dept. has been smoke and dye testing sanitary sewers as part of its Inflow and Infiltration (I/I) program since 1995. The program also accounts for private lines and connections when the tests are conducted.

*Responsible Department:* Distribution Dept.

*Legal Authority:* No legislative authority required, Distribution Dept. Superintendent to authorize.

*Justification:* Dye testing and smoke testing are a useful tools to determine the existence of cross

connections. Detecting cross connections will initiate the correction of the same.

*Goal:* To maintain an ongoing program of testing sewers to detect cross connections that may have been created or that have developed.

*Report:* Keep written log of I/I activities detailing date, location, type of sewer, type of test, results, and follow-up action.

#### 6. Review, Testing, and Inspection of Private Sanitary Sewer Connections

Perform plan review and construction inspection on all new lines which are connected to the City's sanitary sewer. This effort is to prevent the occurrence of new problems. Perform dye testing of private connections, as the I/I tests indicate the need, to ensure proper connections.

*Responsible Department:* Distribution Dept., Engineering, and City Health Department

*Legal Authority:* City Building, Water, and Sewer Regulations.

*Justification:* Insuring that new lines are designed and installed per City standards helps ensure that these lines do not become future I/I sources or illicit storm water discharges. Detecting existing improper connections of sanitary sewers into storm sewers (and vice versa) will initiate action to eliminate illicit connections.

*Goal:* Respond with dye testing or smoke testing upon notice of possible connections into the storm sewers. Track house connections dye or smoke tested for illicit connections into city storm sewers. Work with legislative body to create laws that will provide for legal authorization to test homes for illicit connections to storm sewer systems

*Report:* Keep a written log of date, location and type of sewer, type of test, results, and follow-up action.

#### 7. Spill Response

Develop protocol for responding to material spills on public roadways due to vehicular accidents and performing clean-up. Alliance will develop a spill response plan.

*Responsible Department:* Alliance Fire Department and Street Department

*Legal Authority:* Safety Service Director and Alliance Fire Chief to authorize.

*Justification:* Timely response to clean-up spilled materials as a result of vehicular accidents may prevent potential pollutants, material and debris, from entering the storm sewer system.

*Goal:* Prepare a written spill response plan for responding to a reported spill resulting from roadway accidents. Track spill clean-ups performed

*Report:* Provide a copy of the written spill response plan. Keep a written log of location and type of spill, response time, and action taken.

8. Provide phone numbers and e-mail addresses for the public to report of illicit discharges [xref II.2, and IV.3]

The City will provide department phone numbers and e-mail addresses for points of contact regarding the program. This allows the community to give feedback about the program, ask questions, and report possible violations associated with the SWMP. Web site, flyers, utility bills, and handouts will include the contact information or refer to website for input or questions.

*Responsible Department:* City Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required. City Safety Service Director to approve.

*Target Audience:* All groups listed for the associated Public Education measures.

*Justification:* Members of the community must be able to easily contact the city to report suspected violations, ask questions, and make comments relative to the SWMP.

*Goal:* Questions, comments, and complaints with regards to the city's SWMP, as well as actions taken will be documented.

*Report:* Keep a written log of name, date, time, and nature of phone calls regarding the city's SWMP, and action taken.

#### **IV. Construction Site Storm Water Runoff Control (3.2.4)**

##### **1. Stark County Erosion/Sediment Control Regulations**

The City has adopted, by Ordinance No. 29-07, the Stark County Erosion/Sediment Control(ESC) Regulations. These regional regulations, currently in draft form and attached in Appendix B, are intended to meet the Ohio EPA NPDES Phase II requirements. They address requirements for construction site operators, procedures for site plan review, receipt and consideration of information submitted by the public, and procedures for site inspections and enforcement. Further, we have contracted with the Stark County Soil and Water Conservation District (SWCD) to oversee the program for Construction Erosion and Sediment Control for all sites disturbing more than one acre of soil.

*Responsible Entities:* City Safety Service Director and Stark SWCD

*Legal Authority:* Ordinance No. 29-07 attached in Appendix B

*Justification:* The ESC regulation is necessary to reduce pollutants in storm water runoff from construction sites. By adopting the Stark County's regulation, the city is allowing for a uniform standard with the county, which will be conducive to a common understanding of ESC requirements for developers and contractors working within Stark County. The City has been using the plan review and inspection services of the Stark SWCD on an informal basis for 5 or more years. During that time we have required developers to employ erosion control measures meeting the Stark SWCD requirements.

*Goal:* Document all site plans and developments whose construction activity requires them to meet the ESC requirements of the Stark SWCD. Track to see that we continue to meet the Ohio Environmental Protection Agency requirements (Rainwater and Land Development Manual).

*Report:* Copy of approved ordinance and regulation in Appendix B. We will receive and forward reports on Stark SWCD's review and inspection activities.

##### **2. Storm Water Pollution Prevention Plan (SWP3) Review and Site Inspection**

The City has entered an agreement with the Stark Soil & Water Conservation District (SWCD) to perform SWPPP review, best management practices (BMP) inspection on site, and enforcement of regulations and requirements for construction sites disturbing one acre of land or greater.

*Responsible Entities:* City Safety Service Director and Stark SWCD

*Legal Authority:* Ordinance No. 29-07 attached.

*Justification:* Review of SWPPP and BMP inspection is necessary to reduce pollutants in storm water runoff from construction sites. By entering into an agreement with the Stark SWCD the City is allowing for a uniform enforcement of construction site regulations and requirements within the county, which will be conducive to a common understanding of ESC requirements for developers and contractors working within Stark County. The City has been using the plan review and inspection services of the Stark SWCD on an informal basis for 5 or more years. They have the expertise and personnel to do the job efficiently. During that time we have required developers to include Storm Water Pollution Prevention Plan (SWP3) plans meeting the Stark SWCD requirements.

*Goal:* The Stark SWCD will track permits granted for construction sites to include SWPPP review, site inspections, and enforcement of the regulations and requirements.

*Report:* Copy of approved ordinance and agreement in Appendix B. We will receive and forward report on their reviews, inspections, and enforcement activities.

3. Provide Phone Numbers and E-mail Addresses for Reporting of Illicit Discharges by the Public [xref II.2. and III.8.]

The City will provide department phone numbers and e-mail addresses for points of contact regarding the program. This allows the community to give feedback about the program, ask questions, and report possible violations associated with the SWMP. Web site, flyers, utility bills, and handouts will include the contact information or refer to website for input or questions.

*Responsible Department:* City Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required. City Safety Service Director to approve.

*Target Audience:* All groups listed for the associated Public Education measures.

*Justification:* Members of the community must be able to easily contact the city to report suspected violations, ask questions, and make comments relative to the SWMP.

*Goal:* Questions, comments, and complaints with regards to the city's SWMP, as well as actions taken will be documented.

*Report:* Keep a written log of name, date, time, and nature of phone calls regarding the city's SWMP, and action taken.

## V. Post-Construction Storm Water Management in New Development and Redevelopment (3.2.5)

### 1. Post-Construction Storm Water Management Plan

The city will attempt to develop and implement by ordinances/resolutions/policies, a citywide Post-Construction Storm Water Plan to be placed into effect by city ordinance. This may include new material approvals, changes in post-construction requirements, and implementation of new structural and nonstructural BMP's such as retention/detention, infiltration practices, separation of impervious areas, alternative parking areas, etc.

*Responsible Department:* City Public Service Director and Multiple Departments

*Legal Authority:* Legislative authority by ordinance may be required.

*Justification:* The ordinances/resolutions/policies will address a program designed to reduce pollutants in storm water runoff from newly developed and redeveloped sites by closely following the requirements established in the NPDES Permit OHQ000001 and requirements established by the Ohio EPA (Rainwater and Land Development Manual).

*Goal:* The city will attempt to pass ordinances/resolutions/policies during our permit period to establish a Post-Construction Plan which addresses requirements established in the NPDES permit and Ohio EPA requirements

*Report:* Written status of plan and ordinances, etc. Copy of approved plan and ordinances, etc. when passed.

### 2. Wetland and Stream Buffer Zones - Riparian Setbacks

The City has adopted, by Ordinance No. 29-07, the Stark County Erosion/Sediment Control (ESC) Regulations. These regional regulations, currently in draft form and attached in Appendix B, include minimum riparian setback requirements to help protect wetlands and waterways of the State. The setback rules will be enforced through the site plan review process and by the Stark Soil and Water Conservation District (SWCD) who will oversee the program for Construction Erosion and Sediment Control for all sites disturbing more than one acre of soil.

*Responsible Entities:* Engineering Dept. and Stark SWCD

*Legal Authority:* Ordinance No. 29-07 attached in Appendix B

*Justification:* The riparian setback regulation is necessary to reduce pollutants in storm water runoff before they enter streams or wetlands. By adopting the Stark County's regulation, the city is allowing for a uniform standard with the county, which will be conducive to a common understanding of ESC requirements for developers and contractors working within Stark County.

*Goal:* Review the regulation within the next 5 year permit period. Determine if it needs augmented, changed, or additional ordinances in areas such as Zoning or Planning Commission. Educate businesses and public about the need for riparian setbacks. Document all site plans and developments whose construction activity requires them to meet the setback requirements of the Stark SWCD.

*Report:* Copy of approved ordinance and regulation in Appendix B. We will receive and forward reports on Stark SWCD's review and inspection activities.

### 3. Identify Storm Water Inlet Points [xref: II.3.]

New storm sewer inlet castings will be cast with markings indicating that storm water entering the inlet outlets into a stream.

*Responsible Department:* City Engineering and Building Dept.

*Legal Authority:* No legislative authority required, City Civil Engineer to authorize casting.

*Justification:* Identification of this key component of the watershed will increase the awareness of the members of the community and the potential negative impact of their actions.

*Goal:* New castings and replaced castings for storm sewer inlets used after the first year of permit period will be marked for awareness of intake water discharges into a stream.

*Report:* Photo or catalogue cut of casting/s used. Keep a written log of number of new castings installed and number of replaced castings installed.

### 4. Award for Alliance Businesses/ Developers for Excellent Storm Water Management Practices

Create an Award for Alliance businesses and developers who employ innovative designs and environmentally friendly construction practices to protect the community's rivers, streams, wetlands, ponds, and other natural resources. Publish an article in the Alliance Regional Chamber of Commerce newsletter and develop a presentation to the members of the Chamber about the City's Storm Water Management Program.

*Responsible Department:* City Engineering Department

*Legal Authority:* No legislative authority required, Alliance Planning Commission and Mayor to authorize.

*Target Audience:* Local area businesses and developers. (Newsletter to possibly 150) (20 - 35 Site Plan applicants per year)

*Justification:* It is important to inform critical business leaders about the storm water management plan. The Award is a valuable tool in involving developers, educating them of construction and post construction BMP's available to them, and provides an incentive to use them. The Chamber provides an effective forum to inform key business leaders in the community.

*Goal:* Establish criteria (beyond meeting minimum standards for stormwater) for receiving the award. Publication of an article about the Award in the Alliance Regional Chamber of Commerce's newsletter. Handout info on the award with each Planning Commission application. Post the criteria and info of BMP's on the website. Include the names of recipients on the website.

*Report:* Keep track of the progress of development of the Award. Report criteria of the award. Track the number of notices about the award handed out with Planning Commission applications and finally, the number of awards given.

## **VI. Pollution Prevention/Good Housekeeping for Municipal Operations (3.2.6)**

### **1. Good Housekeeping Plan [xref: III.8.]**

The city will develop a comprehensive pollution prevention/ good housekeeping plan for our municipal operations. These plans will encompass the operations of our Division of Motor Vehicles, Street Department, Sewer and water Distribution Department, Parks, and the Sewer and Water Treatment Plants. The plan will address the following types of activities: Automobile and Equipment Maintenance, Vehicle Washing, and Materials Storage and Handling.

*Responsible Department:* City Public Service Director and Multiple Departments

*Legal Authority:* Legislative authority by ordinance may be required.

*Justification:* These efforts are aimed at ensuring that city operations do not cause discharge of sediments or hazardous, caustic, or regulated substances into the waterways surrounding the Alliance region.

*Goal:* The city will develop and implement the good housekeeping plan during the permit period. This plan will be continuously updated to improve our activities, as well as to keep the city in conformance with regulations affecting this area.

*Report:* Written status of plan or ordinance. Copy of approved plan and ordinance when passed.

### **2. Street Sweeping/Cleaning**

The city will document its sweeping activities and the overall impact on the removal of dirt and other debris from city thoroughfares. Presently, we minimally provide for one pass of the streets throughout the city per year. A second sweep is conducted on arterial routes, special event areas, and lastly on residential streets as time permits. The city will maintain or increase its efforts to remove pollutants from its streets, thus reducing the entry into the storm sewer system

*Responsible Department:* City Street Department

*Legal Authority:* No legislative authority required, Street Dept. Superintendent to authorize.

*Justification:* Pollutants from streets can enter the storm sewer system and ultimately be washed into the streams. This program should reduce the volume of polluted materials entering our waterways.

*Goal:* During year two of the program, we will assess the impact of the street sweeping program by documenting the number of lane miles swept and volume of debris removed. This information will enable us to determine how much material has been prevented from entering the storm system, thereby facilitating a better understanding of the effectiveness of our program. We should be positioned to determine how many pounds or cubic yards per lane mile are prevented from entering our streams because of this program.

*Report:* Keep written log of number of lane miles swept and weight or volume of debris removed from the city streets.

### 3. Catch Basin and Storm Line Cleaning

The Street Department and the Sewer and Water Distribution Department have in place a cleaning program for catch basins and storm lines on an as needed or by complaints basis.

*Responsible Department:* Street Department and Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required, Sewer and Water Distr. Super. to authorize.

*Justification:* A systematic approach to catch basin/storm line cleaning should reduce the volume of pollutants washed through the system into the waterways.

*Goal:* During the permit period, the Distribution Department will document the number of catch basins cleaned and lineal footage of storm lines cleaned. Following the documentation phase, the department will assess its efforts and establish a formal program that purports to provide for a systematic and timely cleaning of the storm sewer system.

*Report:* Keep written documentation of number of catch basins cleaned, linear feet of storm line cleaned, volume of debris removed. Written status of storm sewer cleaning program. Copy of established program.

### 4. Pollution Prevention/Good Housekeeping Training Plan

The city will develop and provide a training plan for appropriate city employees aimed at instilling pollution prevention/good housekeeping techniques into municipal operations and at our sites, including: Division of Motor Vehicles, Street Department, Sewer and water Distribution Department, Parks, and the Sewer and Water Treatment Plants.

*Responsible Department:* City Public Service Director

*Legal Authority:* No legislative authority required, Public Service Director to authorize.

*Justification:* Many employees within a small MS4 are not aware of how their actions can negatively impact the streams of their community. Training helps to make them far more aware of how they can perform their jobs in a way that reduces pollutants from washing into the storm sewer system.

*Goal:* Within the permit period, the city will develop a training plan and have completed training of all appropriate personnel.

*Report:* Written status of training plan. Copy of established training plan. Keep written log of date of training sessions and name/position of individuals in attendance.

#### 5. Managed Use and Storage of Road Salts

The city currently stores road salts, used for roadway deicing, in storage barns sheltered from the weather. The City Street Superintendent currently manages and regulates the frequency and amount of road salt used in icy or freezing conditions.

*Responsible Department:* Street Department

*Legal Authority:* No legislative authority required, Street Superintendent to authorize.

*Justification:* Proper storage and use of road salts will reduce the amount of salt contamination to the ground waters and surface waters.

*Goal:* Track the amount of road salts used in a winter season and verify sheltered storage of all city road salt supplies.

*Report:* Copy of Snow and Ice Control Plan. List of currently used salt storage facilities and capacity. Written log of quantity of salt used in a winter season.

#### 5. Participation in the Alliance Leaf Pickup Program [xref II.5.]

Alliance performs an annual bulk leaf cleanup program in which homeowners rake leaves to the curb lawns and the City Street Department picks them up. The leaves are taken to a local landscaping company where they are shredded, composted, and mixed with tree grindings and soil to create an augmented topsoil. We can begin to incorporate a yard waste message into our notices encourage participation by the public in the program.

*Responsible Department:* Street Department

*Legal Authority:* No legislative authority required.

*Target Participant:* Homeowners

*Justification:* By removing leaves from yards, we are eliminating a source of catch basin clogging, decaying matter in the storm systems, and nitrogen loading to the streams.

*Goal:* Perform one Citywide clean-up per year. Add the environmentally friendly message to notices in the newspaper or elsewhere to inform the public.

*Report:* Keep a written log of number days dedicated to leaf cleanup. Copy of posted schedules and text used for notices. Track the number of loads and/or tons of leaves collected.

## V. Post-Construction Storm Water Management in New Development and Redevelopment (3.2.5)

### 1. Post-Construction Storm Water Management Plan

As part of the City of Alliance Post-Construction Storm Water Management Plan, we have already adopted two major ordinances with provisions for stormwater management and water quality. The first, Ord. 29-07, was adopted March 5, 2007. In Ord. 29-07, the City adopts the Stark County Soil and Water Conservation District's (SCSWCD) regional policies for stormwater and erosion control. There are requirements for (construction and) post construction BMP's such as riparian and wetland setbacks, discussed below. Mirroring that document is Ord. 130-05 (and Ord. 35-07 modification, and 125-05 fees) which adopted a new Planning and Zoning Code for the City of Alliance. This ordinance, adopted March 5, 2007, includes *Chapter 1168, Drainage*. *Drainage* outlines the requirements for stormwater retention for all sites, and SWP3 plans, NOI's, water quality basins for all sites over 1 acre. It requires easements for stormwater features, maintenance agreements, and provisions for post construction inspections. The new Planning and Zoning Code also has provisions for open space requirements for new developments. A copy of the ordinance and excerpts from the Planning and Zoning Code are attached. The city will monitor the effectiveness of these new codes and determine the need for revisions or new ordinances/resolutions/policies. This may include new material approvals, changes in post-construction requirements, and implementation of new structural and nonstructural BMP's such as retention/detention, infiltration practices, separation of impervious areas, alternative parking areas, etc.

*Responsible Department:* City Public Service Director and Multiple Departments

*Legal Authority:* The city has passed two major ordinances already, as attached. Modifications and additions as required.

*Justification:* The ordinances/resolutions/policies will address a program designed to reduce pollutants in storm water runoff from newly developed and redeveloped sites by closely following the requirements established in the NPDES Permit OHQ000001 and requirements established by the Ohio EPA (Rainwater and Land Development Manual).

*Goal:* Monitor effectiveness of ordinances/resolutions/policies continuously during our permit period to meet the requirements established in the NPDES permit and Ohio EPA requirements. Establish additional post construction BMP's desired and revise policies within 3 years. Begin annual inspections of post development BMP's within 3-5 years.

*Report:* Annual written report of new policies and post development BMP in use. Copy of approved plan and ordinances, etc. when passed. List of developments affected and types of post development BMP's in use.

### 2. Wetland and Stream Buffer Zones - Riparian Setbacks

The City has adopted, by Ordinance No. 29-07, the Stark County Erosion/Sediment Control (ESC) Regulations. These regional regulations, currently in draft form and attached in Appendix B, include minimum riparian setback requirements to help protect wetlands and waterways of the State. The setback rules will be enforced through the site plan review process and by the Stark Soil and Water Conservation District (SWCD) who will oversee the program for Construction

Erosion and Sediment Control for all sites disturbing more than one acre of soil.

*Responsible Entities:* Engineering Dept. and Stark SWCD

*Legal Authority:* Ordinance No. 29-07 attached in Appendix B

*Justification:* The riparian setback regulation is necessary to reduce pollutants in storm water runoff before they enter streams or wetlands. By adopting the Stark County's regulation, the city is allowing for a uniform standard with the county, which will be conducive to a common understanding of ESC requirements for developers and contractors working within Stark County.

*Goal:* Review the regulation within the next 5 year permit period. Determine if it needs augmented, changed, or additional ordinances in areas such as Zoning or Planning Commission. Educate businesses and public about the need for riparian setbacks. Document all site plans and developments whose construction activity requires them to meet the setback requirements of the Stark SWCD.

*Report:* Copy of approved ordinance and regulation in Appendix B. We will report on the number of development activities that are affected by this riparian requirement.

### 3. Identify Storm Water Inlet Points [xref: II.3.]

New storm sewer inlet castings will be cast with markings indicating that storm water entering the inlet outlets into a stream.

*Responsible Department:* City Engineering and Building Dept.

*Legal Authority:* No legislative authority required, City Civil Engineer to authorize casting.

*Justification:* Identification of this key component of the watershed will increase the awareness of the members of the community and the potential negative impact of their actions.

*Goal:* New castings and replaced castings for storm sewer inlets used after the first year of permit period will be marked for awareness of intake water discharges into a stream.

*Report:* Photo or catalogue cut of casting/s used. Keep a written log of number of new castings installed and number of replaced castings installed.

### 4. Award for Alliance Businesses/ Developers for Excellent Storm Water Management Practices

Create an Award for Alliance businesses and developers who employ innovative designs and environmentally friendly construction practices to protect the community's rivers, streams, wetlands, ponds, and other natural resources. Publish an article in the Alliance Regional Chamber of Commerce newsletter and develop a presentation to the members of the Chamber about the City's Storm Water Management Program.

*Responsible Department:* City Engineering Department

*Legal Authority:* No legislative authority required, Alliance Planning Commission and Mayor to authorize.

*Target Audience:* Local area businesses and developers. (Newsletter to possibly 150) (20 - 35

Site Plan applicants per year)

*Justification:* It is important to inform critical business leaders about the storm water management plan. The Award is a valuable tool in involving developers, educating them of construction and post construction BMP's available to them, and provides an incentive to use them. The Chamber provides an effective forum to inform key business leaders in the community.

*Goal:* Establish criteria (beyond meeting minimum standards for stormwater) for receiving the award. Publication of an article about the Award in the Alliance Regional Chamber of Commerce's newsletter. Handout info on the award with each Planning Commission application. Post the criteria and info of BMP's on the website. Include the names of recipients on the website.

*Report:* Keep track of the progress of development of the Award. Report criteria of the award. Track the number of notices about the award handed out with Planning Commission applications and finally, the number of awards given.

## **VI. Pollution Prevention/Good Housekeeping for Municipal Operations (3.2.6)**

### **1. Good Housekeeping Plan [xref: III.8.]**

The city will develop a comprehensive pollution prevention/ good housekeeping plan for our municipal operations. These plans will encompass the operations of our Central Garage, Street Department, Sewer and water Distribution Department, Parks, and the Sewer and Water Treatment Plants. Addresses of these sites are listed below under Item 6. The plan will address the following types of activities: Automobile and Equipment Maintenance, Vehicle Washing, and Materials Storage and Handling. The Engineer will prepare site plans of each facility to identify storm and sanitary sewers, runoff to sensitive areas, material storage and work areas, and other pertinent information. We will report areas in need of improvement.

*Responsible Department:* City Public Service Director and Multiple Departments

*Legal Authority:* Legislative authority by ordinance may be required.

*Justification:* These efforts are aimed at ensuring that city operations do not cause discharge of sediments or hazardous, caustic, or regulated substances into the waterways surrounding the Alliance region.

*Goal:* The city will develop and implement the good housekeeping plan during the permit period. This plan will be continuously updated to improve our activities, as well as to keep the city in conformance with regulations affecting this area. A site plan for each operation will be prepared and evaluated during the first permit period.

*Report:* Written status of the site investigations. Copy of the site plans and recommendations for improvements proposed and/or completed.

### **2. Street Sweeping/Cleaning**

The city will document its sweeping activities and the overall impact on the removal of dirt and other debris from city thoroughfares. Presently, we minimally provide for one pass of the streets throughout the city per year. A second sweep is conducted on arterial routes, special event areas, and lastly on residential streets as time permits. The city will maintain or increase its efforts to remove pollutants from its streets, thus reducing the entry into the storm sewer system

*Responsible Department:* City Street Department

*Legal Authority:* No legislative authority required, Street Dept. Superintendent to authorize.

*Justification:* Pollutants from streets can enter the storm sewer system and ultimately be washed into the streams. This program should reduce the volume of polluted materials entering our waterways.

*Goal:* During year two of the program, we will assess the impact of the street sweeping program by documenting the number of lane miles swept and volume of debris removed. This information will enable us to determine how much material has been prevented from entering the storm system, thereby facilitating a better understanding of the effectiveness of our program. We should

be positioned to determine how many pounds or cubic yards per lane mile are prevented from entering our streams because of this program.

*Report:* Keep written log of number of lane miles swept and weight or volume of debris removed from the city streets.

### 3. Catch Basin and Storm Line Cleaning

The Street Department and the Sewer and Water Distribution Department have in place a cleaning program for catch basins and storm lines on an as needed or by complaints basis.

*Responsible Department:* Street Department and Sewer and Water Distribution Department

*Legal Authority:* No legislative authority required, Sewer and Water Distr. Super. to authorize.

*Justification:* A systematic approach to catch basin/storm line cleaning should reduce the volume of pollutants washed through the system into the waterways.

*Goal:* During the permit period, the Distribution Department will document the number of catch basins cleaned and lineal footage of storm lines cleaned. Following the documentation phase, the department will assess its efforts and establish a formal program that purports to provide for a systematic and timely cleaning of the storm sewer system.

*Report:* Keep written documentation of number of catch basins cleaned, linear feet of storm line cleaned, volume of debris removed. Written status of storm sewer cleaning program. Copy of established program.

### 4. Pollution Prevention/Good Housekeeping Training Plan

The city will develop and provide a training plan for appropriate city employees aimed at instilling pollution prevention/good housekeeping techniques into municipal operations and at our sites, including: Division of Motor Vehicles, Street Department, Sewer and water Distribution Department, Parks, and the Sewer and Water Treatment Plants.

*Responsible Department:* City Public Service Director

*Legal Authority:* No legislative authority required, Public Service Director to authorize.

*Justification:* Many employees within a small MS4 are not aware of how their actions can negatively impact the streams of their community. Training helps to make them far more aware of how they can perform their jobs in a way that reduces pollutants from washing into the storm sewer system.

*Goal:* Within the permit period, the city will develop a training plan and have completed training of all appropriate personnel.

*Report:* Written status of training plan. Copy of established training plan. Keep written log of date of training sessions and name/position of individuals in attendance.

#### 5. Managed Use and Storage of Road Salts

The city currently stores road salts, used for roadway deicing, in storage barns sheltered from the weather. The City Street Superintendent currently manages and regulates the frequency and amount of road salt used in icy or freezing conditions.

*Responsible Department:* Street Department

*Legal Authority:* No legislative authority required, Street Superintendent to authorize.

*Justification:* Proper storage and use of road salts will reduce the amount of salt contamination to the ground waters and surface waters.

*Goal:* Track the amount of road salts used in a winter season and verify sheltered storage of all city road salt supplies.

*Report:* Copy of Snow and Ice Control Plan. List of currently used salt storage facilities and capacity. Written log of quantity of salt used in a winter season.

#### 5. Participation in the Alliance Leaf Pickup Program [xref II.5.]

Alliance performs an annual bulk leaf cleanup program in which homeowners rake leaves to the curb lawns and the City Street Department picks them up. The leaves are taken to a local landscaping company where they are shredded, composted, and mixed with tree grindings and soil to create an augmented topsoil. We can begin to incorporate a yard waste message into our notices encourage participation by the public in the program.

*Responsible Department:* Street Department

*Legal Authority:* No legislative authority required.

*Target Participant:* Homeowners

*Justification:* By removing leaves from yards, we are eliminating a source of catch basin clogging, decaying matter in the storm systems, and nitrogen loading to the streams.

*Goal:* Perform one Citywide clean-up per year. Add the environmentally friendly message to notices in the newspaper or elsewhere to inform the public.

*Report:* Keep a written log of number days dedicated to leaf cleanup. Copy of posted schedules and text used for notices. Track the number of loads and/or tons of leaves collected.

6. Industrial Facilities Owned and Operated by Alliance

We do not believe that we the City of Alliance owns and operates any industrial facilities that would require its own individual Industrial Storm Water NPDES permit. Our facilities, which will be covered by the good housekeeping methods listed in Item 1 above, are:

City of Alliance Industrial-Type Activities			
	Site Address	Types of Activities	Comments
1	Street Department 601 Noble St.	Salt Storage, vehicle washing, material storage, sweeping, CB cleaning	
2	Sewer and Water Distribution 1010 N. Walnut	Vehicle washing, material storage, sewer pumping	
3	Central Garage 1010 N. Walnut	Vehicle Maintenance, material storage	
4	Wastewater Treatment Plant 12251 Rockhill Ave. NE	Wastewater treatment - Existing NPDES Appl. No. OH0023868	Out of City
5	Water Treatment Plant 12251 Rockhill Ave. NE	Water treatment	Out of City
6	Parks Department 2930 S. Union Ave.	Mowing, vehicle washing, material storage	
7		Garbage Collection	Contracted Out
8		Composting	Contracted Out

*Responsible Department:* N/A

*Legal Authority:* No legislative authority required.

*Target Participant:* City Departments

*Justification:* Monitoring industrial activities in house.

*Goal:* Perform good housekeeping BMP's as listed in item 1.

*Report:* See item 1.



1. PUBLIC EDUCATION AND OUTREACH PROGRAM SUMMARY

City of Alliance Program Manager: Safety Service Director

Program Element	Schedule and Measurable Goals	Key Entities Involved in Program Element
1 Stormwater Media Campaign	Series of articles in newspaper - at least 3, AND PSA's on local radio regarding the program, OR, publications on local college television Track the specific times and text of storm water articles	Safety Service Director
2 Pet Waste Management Handout	Handout to health and nuisance violators and at pet stores and pet license bureaus Track the number of handouts given	Health Dept and Zoning
3 Trash Management Handouts	Handout to health and nuisance violators Track the number of handouts given	Health Dept and Zoning
4 Use of Internet Website	Post Storm Water Management Plan and related tips, articles, and links Track installation and updates	City Engineer and Webmaster
5 Inform Business Leaders	Publish article in the Alliance Chamber of Commerce Newsletter and one presentation to an open committee Copy of article and date and time of presentation	Planning and Develop Director
6 Grease Management at Retail Foods	Provide handout sheet at retail restaurant inspections regarding grease trap maintenance Track the number of handouts given	Health Department
7 Utility Bill messages and flyers	Quarterly message in utility bills regarding seasonal topics and tips Provide overall program flyer to insert in utility bill Track the messages and number of utility bills sent out	Safety Service Director and Water Billing

Figure 1

**2. PUBLIC INVOLVEMENT/PARTICIPATION PROGRAM SUMMARY**

City of Alliance Program Manager: Safety Service Director

Program Element		Schedule and Measurable Goals	Key Entities Involved in Program Element
1	Inform Public Leaders	Program inception and updates to be provided to City Council Track program updates and Council presentations	Engineering
2	Provide Phone Lines and E-mail for Public to Comment/Question/Participate in Program	Add contact info to web-site, flyers, advertisements, etc. Track comments - information pertaining to calls, our findings, and action taken	Sewer and Water Distribution
3	Identify Storm Water Inlet Points	New storm water inlet points to be cast with "drains to stream" markings Track new castings installed	City Engineer
4	Keep Alliance Beautiful Cleanup	Conduct one cleanup per year Distribute storm water education materials to participants Track the types of educational materials distributed Track the number of and information about participants Track the types and amounts of debris/materials collected	Keep Alliance Beautiful Department
5	Curbside Bulk Leaf Recycling Program	Offer program every Fall Track tonnage of leaves collected	Street Department

**Figure 2**

**3. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM SUMMARY**

City of Alliance Program Manager: Safety Service Director

Program Element		Schedule and Measurable Goals	Key Entities Involved in Program Element
1	MS4 Outfall Map	50% complete by end of 2009	City Engineer
		100% complete by end of 5 year permit period	
2	HSTS List HSTS Map	100% complete by 2010	City and Stark County Health Department City Engineer
		100% complete by end of 5 year permit period	
3	Dry Weather Field Screening	Inspect all outfalls during dry weather at least once by end of 5 year permit period	City Engineer and Distribution
		Track the approximate percentage of outfalls screened per year during dry weather	
		Track the number of illicit dry weather flows found and corresponding corrective actions taken	
4	Televising of Sanitary Sewers	Use Sewer TV Camera & Truck as-needed for investigating illicit discharges, etc. Ongoing.	Sewer and Water Distribution
		Keep written log of all inspections, findings, action taken	
5	Dye and Smoke Testing	Use dye and smoke testing as needed to investigate illicit discharges, etc. Ongoing.	Sewer and Water Distribution
		Keep written log of all inspections, findings, action taken	
6	Review, Testing, and Inspection of Private Sanitary Sewer Connections	Ongoing plan reviews, construction inspection, and dye testing for proper connections.	City Engineer, Distribution, and Health Dept.
		Track the number of illicit discharges found and corresponding corrective actions taken	
7	Spill Response	Respond to material spills on public roads due to vehicle accidents or other.	Fire Department and Street
		Track the number of incidences and corresponding corrective actions taken	
8	Provide Phone Lines and E-mail for Public to Comment/ Question/Participate in Program	Add contact info to web-site, fliers, advertisements, etc.	Sewer and Water Distribution
		Track comments - information pertaining to calls, our findings, and action taken	

**Figure 3**

**4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM SUMMARY**

City of Alliance Program Manager: Safety Service Director

Program Element		Schedule and Measurable Goals	Key Entities Involved in Program Element
1	Erosion/Sediment Control Regulations (Water Quality Regulations)	<p>Continue to require construction sites greater than 1 acre to meet requirements of regulations</p> <p>Ordinance adopting (draft) SWCD for Soil Erosion and Sediment Control - March 2007</p> <p>Copy of Ordinance and (draft) regulations. Update as needed.</p> <p>Contract with Stark SWCD to review construction plans to ensure compliance with Stark County Erosion &amp; Sediment Control Regulations/Water Quality Regulations</p>	Stark County SWCD
2	Plan Review and Inspection for Construction Site Runoff Control	<p>Track the number of erosion/sediment control plans reviewed</p> <p>Track the number of non-compliant sites and corresponding corrective actions</p>	Engineering, Stark County SWCD
3	Provide Phone Lines and E-mail for Public to Comment/Question/Participate in Program	<p>Add contact info to web-site, fliers, advertisements, etc. for people to call about construction erosion</p> <p>Track comments - information pertaining to calls, our findings, and action taken</p>	Sewer and Water Distribution

**Figure 4**

**5. POST-CONSTRUCTION STORM WATER MANAGEMENT PROGRAM SUMMARY**

City of Alliance Program Manager: Safety Service Director

Program Element		Key Entities Involved in Program Element
Schedule and Measurable Goals		
1	Post-Construction Storm Water Management Plan	Safety Service Director and Planning, Engineering, Zoning, Health, other departments
	Develop Ordinances/Resolutions as needed to establish post-construction rules	
	Evaluate structural and non-structural BMP's for adoption	
	Evaluate material use approvals (such as alternative pavement or pavers for parking, etc.)	
2	Wetland and Stream Buffer Zones	Planning Commission, Engineering
	Track progress of revising/adopting regulations and policies	
	Adopted Ordinance 29-07 adopting the Stark SWCD Erosion & Sediment Control Regulations including minimum setbacks for streams and wetlands	
3	Identify Storm Water Inlet Points	Engineering Division
	Review the policy. Determine need for changes, additional ordinances, etc.	
	Change of specification used. Require castings with "drains to stream" labels.	
4	Award for Businesses for Excellent Stormwater Management Practices	Planning Commission, Engineering
	Track number of new cb's installed.	
	Set requirements for the award to better promote post-construction storm water quality concepts	
	Get approval from Planning Commission to use their plan review process	
	Advertise the award in Chamber newsletters, handout with site plan applications, etc.	
Track progress of award, advertisements, and recipients		

Figure 5

6. POLLUTION PREVENTION/GOOD HOUSEKEEPING PROGRAM SUMMARY

City of Alliance Program Manager: Safety Service Director

Program Element	Schedule and Measurable Goals	Key Entities Involved in Program Element
1 Good Housekeeping Plan	Address vehicle maintenance, equipment washing, and material storage practices of the City. Examine sites, develop plan, and begin within five years.	Safety Service Director and Multiple Departments
2 Street Sweeping	Sweep all city streets 1-2 times per year. Report on lane miles swept and approximate debris removed.	Street Department
3 Catch Basin and Storm Sewer Cleaning	As-needed pursuant to service requests Track the storm sewers cleaned each year.	Street Department and Sewer and Water Distribution Department
4 Employee Training	Track the type of training being performed Track the number of employees receiving training	Safety Service Director and Multiple Departments
5 Road Salt Storage and Application	As-needed Track the quantity of road salt used per year and how materials are stored	Street Department
6 Bulk Leaf Pickup	Once per year Track amount of leaves collected for composting	Street Department

Figure 6