



Division of Water Management

221 West Riverside Drive • P.O Box 67

Peru, Indiana 46970-0067

Office (765) 473-7651- Fax (765) 472-0825

November 1, 2007

Ms. Reggie Korthals, MPA
MS4 Coordinator
Office of Water Quality
MC 65-42 IGCN 1255
100 North Senate Avenue
Indianapolis, IN 46204-2251

Subject: City of Peru – Rule 13 Stormwater Quality Management Plan (SWQMP)
Annual Report Submittal
General Permit Number INR040081

Dear Ms. Lowry

The City of Peru's Part A – NOI was received by IDEM on November 3, 2003. IDEM issued a notice of sufficiency letter to the City of Peru on December 9, 2003. The City of Peru submitted the "Part B: Baseline Characterization and Report Certification Checklist" form and the Baseline Characterization and Report document on April 27, 2004. The Part B documents were received by IDEM on April 30, 2004, with supplemental information received on June 22, 2004. A Notice of Sufficiency dated June 29, 2004, was received for Part B. The City of Peru submitted Part C of the Stormwater Quality Management Plan to IDEM on November 2, 2004. A Notice of Sufficiency dated January 28, 2005 was received for Part C. On January 1, 2006 the City of Peru transferred MS4 authority and maintenance responsibility to Peru Utilities.

In accordance with the submittal requirements pursuant to 327 IAC 15-13, the City of Peru has prepared their annual report. Enclosed with this letter is the following:

1. The Rule 13 Annual Report Form
2. On-going Water Quality Monitoring Data

If you have any questions regarding this submittal, contact either Jamin Beisiegel or myself at (765) 473-7651.

Sincerely,

Mike Dahlquist
Peru Utilities



RULE 13 ANNUAL REPORT

State Form 51278 (R2 / 11-03)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:

IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
P.O. Box 6015
Indianapolis, IN 46206-6015
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)

Web Access:
<http://www.in.gov/idem/water/npdes/permits/wetwthr/storm/rule13.html>

NOTE:

- In order to comply with 327 IAC 15-13-18, annual reports must be submitted to the Indiana Department of Environmental Management. **Failure to submit this form will be considered noncompliance with your permit.**
- For the **first five** (5)-year permit term, this completed form must be submitted by 1 year from the SWQMP – Part C submittal date and, thereafter, 1 year from the previous report (i.e., in years two (2) through five (5) of permit coverage).
- In the **second and subsequent** five (5)-year permit terms, this completed form must be submitted in years two (2) and four (4) of permit coverage, by 1 and 3 years from the SWQMP – Part C resubmittal date.
- **Please type or print in ink.**
- Please answer all questions thoroughly and return the form by the due date.
- Return this form and any required addenda to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

REPORTING YEAR**(Check one)**

- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

PART A: GENERAL INFORMATION – MS4 OPERATOR

1. Report Completed By: Mike Dahlquist
(MS4 Operator — i.e., name of permit holder)

2. Permit Number: **INR 0 4 0 081**

3. Mailing Address
Street Address: 221 West Riverside
P.O. Box 67

City **Of:** Peru, Indiana

Zip: 46970

County: Miami

PART B: GENERAL INFORMATION – CONTACT PERSON

4. Contact Person Name (please print): Mike Dahlquist

5. Contact Person Title: Superintendent, Peru Utilities Division of Water Management

6. Phone Number: (765) 473-7651

7. Facsimile Number (if applicable): (765) 472-0825

8. E-mail Address (if applicable): mdahlquist@peruutilities.com

PART C: CONTROL MEASURE ACTIVITIES

9. For the following items, please provide a summary of control measure activities related to Rule 13 performed during the previous year. List any updated measurable goals from the SWQMP, compliance activities, BMPs installed or initiated, updated programmatic indicator data, and updated or developed regulatory mechanisms with effective dates.

a. Public Education and Outreach:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to public education and outreach are as follows:

Updated measurable goals from the SWQMP: There are no updates to the public education and outreach measurable goals at this time.

Compliance activities: Peru has performed the following compliance activities with regard to public education and outreach:

The City of Peru submitted a PER with supporting documentation concerning the nine minimum controls to IDEM as its Long Term Control Plan. IDEM provided notification in February of 2007 that additional elements needed to be addressed for approval of a LTCP. Working closely with IDEM and in consideration of the fact that additional work needs to be accomplished, Peru Utilities has entered into a State Judicial Agreement with IDEM. This was executed and Submitted to the Miami County Circuit Court as Cause 52CO1-0709-CC-00554. The SJA includes a copy of the implementation schedule and discusses past projects that affect wastewater and by default stormwater. The SWQMP must comply with LTCP implementation goals. This is in accordance with Part C, Section 3.3 of the SWQMP.

The Stormwater Coordinator conducted pollution prevention discussions on two occasions to students in the Peru Community School System. On March 1, 2007 at Blair Pointe School to the fifth and sixth grade SOAR Students, and on March 14, 2007 to the High School Environmental Biology Classes. A total of 62 students were in attendance and 62 "After the Storm" Brochures were distributed.

Two articles describing the Stormwater Department and MS4 requirements were published in the Peru Tribune on January 6, and January 8.

Compliance with the initial assessment of constituents is discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.i.

The remainder of the public education and outreach compliance activities, namely the stormwater website, the activity book, brochures and fact sheets, stormwater presentations and cable access television, are discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.ii. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to public education and outreach at this time.

Updated or developed regulatory mechanisms (including effective dates): There are no regulatory mechanisms for the public education and outreach minimum control measure.

b. Public Involvement and Participation:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to public involvement and participation are as follows:

Updated measurable goals from the SWQMP: There are no updates to the public involvement and participation measurable goals at this time.

Compliance activities: Peru has performed the following compliance activities with regard to public involvement and participation:

The City of Peru submitted a PER with supporting documentation concerning the nine minimum controls to IDEM as its Long Term Control Plan. IDEM provided notification in February of 2007 that additional elements needed to be addressed for approval of a LTCP. Working closely with IDEM and in consideration of the fact that additional work needs to be accomplished, Peru Utilities has entered into a State Judicial Agreement with IDEM. This was executed and Submitted to the Miami County Circuit Court as Cause 52CO1-0709-CC-00554. The SJA includes a copy of the implementation schedule and discusses past projects that affect wastewater and by default stormwater. The SWQMP must comply with LTCP implementation goals. This is in accordance with Part C, section 4.3 of the SWQMP.

The Stormwater Coordinator and one other Stormwater Department employee participated in a volunteer stream monitoring training course put on by Hoosier Riverwatch. Riverwatch monitoring by high school students is planned for next year.

Compliance with the initial assessment of constituents is discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.i.

The remainder of the public involvement and participation compliance activities, namely the storm drain stenciling, the stream-side and litter clean-up, the household hazardous waste collection and incident reporting, are discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.iii. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators listed in the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to public involvement and participation at this time.

Updated or developed regulatory mechanisms (including effective dates): There are no regulatory mechanisms for the public involvement and participation minimum control measure.

c. Illicit Discharge Detection and Elimination:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to illicit discharge detection and elimination are as follows:

Updated measurable goals from the SWQMP: There are no updates to the illicit discharge detection and elimination measurable goals at this time.

Compliance activities: Peru has performed the following compliance activities with regard to illicit discharge detection and elimination:

There are no updates to the active industrial facilities discharging into the conveyance system list at this time. This is in accordance with Part C, Section 5.3.4 of the SWQMP.

The Peru MS4 Operator has developed a training policy and purchased a training video for use in training all municipal employees in Illicit Discharge Detection. Seventy-four (74) municipal employees received this training between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 5.5 of the SWQMP.

One employee was trained on testing equipment as well as policies and procedures for illicit discharge detection and elimination between November 1, 2006 and November 1, 2007. There were no new employees hired during this period. This is in compliance with Part C, Section 5.5 of the SWQMP.

The City of Peru submitted a PER with supporting documentation concerning the nine minimum controls to IDEM as its Long Term Control Plan. IDEM provided notification in February of 2007 that additional elements needed to be addressed for approval of a LTCP. Working closely with IDEM and in consideration of the fact that additional work needs to be accomplished, Peru Utilities has entered into a State Judicial Agreement with IDEM. This was executed and Submitted to the Miami County Circuit Court as Cause 52CO1-0709-CC-00554. The SJA includes a copy of the implementation schedule and discusses past projects that affect wastewater and by default stormwater. The SWQMP must comply with LTCP implementation goals. This is in accordance with Part C, Section 5.6 of the SWQMP.

The ninety-three (93) stormwater outfalls that drain into the Wabash River, Schoolman Ditch, and Distillery Ditch South of 5th Street were screened for illicit discharges during dry weather. In addition, the Armstrong Tunnel, which conveys the final 1500 feet of Schoolman Ditch, was inspected. The eleven (11) structures that drain into it were screened for illicit discharges. No illicit discharges were detected during the screening. This is in accordance with Part C, Section 5.3.1 of the SWQMP.

The remainder of the illicit discharge detection and elimination compliance activities, namely the development of a MS4 conveyance map, the location of problems within priority areas, finding illegal connections, and the removal or correction of illicit connections, are discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.v, vi, vii, viii, and ix. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators listed in the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to illicit discharge detection and elimination at this time.

Updated or developed regulatory mechanisms (including effective dates): The City of Peru's Illicit Discharge Detection and Elimination Ordinance was Adopted October 4, 2004. There are no suggested improvements or changes to the ordinance at this time. This is in accordance with Part C, Section 5.2 of the SWQMP.

d. Construction Site Stormwater Run-off Control:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to construction site stormwater run-off control are as follows:

Updated measurable goals from the SWQMP: There are no updates to the construction site stormwater run-off control measurable goals at this time.

Compliance activities: In addition to the compliance activities described in the programmatic indicators attachment, Peru has performed the following compliance activities with regard to construction site stormwater run-off control:

Public participation will continue to serve as an integral part of this minimum control measure. This requirement will continue to be met through the Public Involvement and Participation minimum control measure. This is in accordance with Part C, Section 6.3 of the SWQMP.

The MS4 Operator developed and implemented a training policy and procedures for personnel training on construction stormwater run-off controls. In addition, the MS4 Operator trained one (1) employee whose work includes construction site stormwater run-off control oversight, between November 1, 2006 and November 1, 2007. The training covered pertinent chapters of the SWQMP and the Stormwater Development Manual and the corresponding ordinance. There were no new employees hired during this period. This is in accordance with Part C, Section 6.4 of the SWQMP.

The remainder of the construction site stormwater run-off control compliance activities, namely the site plan review process, is discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.xiii, xiv, and xv. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators listed in the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to construction site stormwater run-off control at this time.

Updated or developed regulatory mechanisms (including effective dates): The City of Peru's Erosion Control Ordinance was Adopted October 4, 2004. There are no suggested improvements or changes to the ordinance at this time. This is in accordance with Part C, Section 6.1 of the SWQMP.

e. Post-Construction Stormwater Management in New Development and Redevelopment:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to post-construction stormwater management in new development and redevelopment are as follows:

Updated measurable goals from the SWQMP: There are no updates to the to post-construction stormwater management in new development and redevelopment measurable goals at this time.

Compliance activities: In addition to the compliance activities described in the programmatic indicators attachment, Peru has performed the following compliance activities with regard to post-construction stormwater management in new development and redevelopment:

The MS4 Operator has developed and implemented a training policy and procedures for personnel training on post-construction stormwater management in new development and redevelopment. In addition, the MS4 Operator trained one (1) employee responsible for plan review, inspection, and enforcement of post-construction BMPs addressing topics such as appropriate control measures, inspection protocol and enforcement. The training also included instruction on inspection frequency, maintenance procedures, operational testing or observations to ensure proper functioning, preventative maintenance and record keeping. No new employees were hired during this period. This is in accordance with Part C, Section 7.3 of the SWQMP.

The West Main Street Phase II Project was Completed during this year. It included storm sewer separation and the installation of a vortex separator at a new 30" outfall. The separator was inspected once during the past year, and quarterly inspections are scheduled for the next year.

The MS4 Operator has Identified twenty-five (25) small stormwater separation projects. These projects are scheduled to be constructed over the next 12 years in coordination with the CSO State Judicial Agreement.

In addition two (2) new commercial construction projects included inlet filters in their design. These were inspected upon installation, and will be inspected semi-annually next year.

The remainder of the post-construction stormwater management in new development and redevelopment compliance activities, namely the site plan review process and the development of an operation and maintenance plan for all structural BMPs, are discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.xvii, xix, xx, xxi, xxii, and xv. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators listed in the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to post-construction stormwater management in new development and redevelopment at this time.

Updated or developed regulatory mechanisms (including effective dates): The City of Peru's Post-Construction Runoff Control Ordinance was Adopted October 4, 2005. There are no suggested improvements or changes to the ordinance at this time. This is in accordance with Part C, Section 7.1 of the SWQMP.

f. Pollution Prevention and Good Housekeeping for Municipal Operations:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to pollution prevention and good housekeeping for municipal operations are as follows:

Updated measurable goals from the SWQMP: There are no updates to the pollution prevention and good housekeeping for municipal operations in new development and redevelopment measurable goals at this time.

Compliance activities: In addition to the compliance activities described in the programmatic indicators attachment, Peru has performed the following compliance activities with regard to pollution prevention and good housekeeping for municipal operations:

The Peru MS4 Operator has developed a training policy and purchased a training video for use in training all municipal employees in pollution prevention and good housekeeping for municipal operations. Seventy-four (74) municipal employees received this training between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 8.5 of the SWQMP.

The MS4 Operator has implemented proper waste disposal from MS4 Systems and operational areas within the City of Peru by ensuring that all materials removed from separate storm sewer systems and operational areas, including dredge spoil, accumulated sediments, floatables, and debris be recycled or reused or disposed of in accordance with applicable solid waste disposal regulations adhered to by the Wabash Valley Landfill. Furthermore, the MS4 Operator has ensured that all hazardous waste has been disposed of in accordance with Federal, State and Local regulations. All of this is in accordance with Part C, Section 8.3 of the SWQMP.

The City of Peru does not have any MS4 operated retention or detention basins in which to implement flood management or stormwater quality standards, the MS4 Operator has simply insured that any new development follow guidelines (refer to Part C, chapter 7, Post-Construction Run-Off Control MCM) for flood management and stormwater quality standards. A vortex separator was installed as part of the West Main Street Phase II Project to improve stormwater quality. This is in accordance with Part C, Section 8.6 of the SWQMP.

The City of Peru submitted a PER with supporting documentation concerning the nine minimum controls to IDEM as its Long Term Control Plan. IDEM provided notification in February of 2007 that additional elements needed to be addressed for approval of a LTCP. Working closely with IDEM and in consideration of the fact that additional work needs to be accomplished, Peru Utilities has entered into a State Judicial Agreement with IDEM. This was executed and Submitted to the Miami County Circuit Court as Cause 52CO1-0709-CC-00554. The SJA includes a copy of the implementation schedule and discusses past projects that affect wastewater and by default stormwater. The SWQMP must comply with LTCP implementation goals. This is in accordance with Part C, Section 8.6 of the SWQMP.

The remainder of the pollution prevention and good housekeeping for municipal operations compliance activities, namely the stormwater structure and conveyance cleaning, inspection and maintenance, the pavement sweeping, the roadside shoulder and ditch stabilization, the roadside vegetation care, the inspection and remediation of outfalls with scouring, the storage and application of salt and sand, the tracking of containment facilities for accidental pollution, the minimization of pesticide and fertilizer usage and the proper disposal to animal wastes, are discussed in greater detail in the programmatic indicators section of this report. Refer to question 11.xxvii, xxxii, xxxiii, xxvii, xxvi, xxix, xxx, xxxi, xxiv, xxv, and xxxiv. You may also refer to the table provided in Part C, Section 2.8 of the SWQMP.

BMPs installed and initiated: Refer to the compliance activities described above, as well as, compliance with the programmatic indicators listed in the programmatic indicators attachment.

Updated programmatic indicator data: There are no updates to the programmatic indicators with respect to pollution prevention and good housekeeping for municipal operations at this time.

Updated or developed regulatory mechanisms (including effective dates): There are no regulatory mechanisms for the pollution prevention and good housekeeping for municipal operations minimum control measure.

g. Other controls:

A summary of the control measure activities related to Rule 13 performed during the previous year in regards to other controls are as follows:

Updated measurable goals from the SWQMP: There are no additional measurable goals for the Peru SWQMP.

Compliance activities: There are no additional compliance activities to be reported other than those described in the previous pages and within the programmatic indicator attachment.

BMPs installed and initiated: There are no additional BMPs, other than those described on the previous pages, and within the programmatic indicator attachment.

Updated programmatic indicator data: There are no additional programmatic indicators other than those described in the programmatic indicators attachment.

Updated or developed regulatory mechanisms (including effective dates): There are no additional regulatory mechanisms with respect to Peru's Stormwater Quality Management Plan.

10. List all receiving water(s) and corresponding outfall(s) not submitted in the original NOI letter (form):

There have been **3** additional outfalls identified since Peru's Submittal of the NOI letter dated November 2, 2003. One outfall is located in the Parkview Heights addition discharging to Daniel Creek. Two outfalls discharge to the Wabash River and are located at Hood Street and Brownell Street. A third outfall discharging to the Wabash River was constructed this year and is located at Maple Street.

11. Provide any data regarding the following programmatic indicators, since the previous annual report (Attach separate sheets as necessary, and indicate, as appropriate, the rationale behind not using a listed indicator):

i. Number or percentage of citizens that have an awareness of stormwater quality issues: An initial assessment of the City of Peru's constituents was conducted for the November 2, 2004 Part C submittal. This assessment surveyed residents of the community about a) their awareness of stormwater quality issues and b) their participation level in stormwater quality activities. The results were presented in Chapter 3, Public Education and Outreach MCM, in which it was determined that Peru's constituents will be re-evaluated in their knowledge of stormwater quality issues at the end of year-five (2009), therefore there is no new data regarding this particular programmatic indicator at this time. This is in accordance with Part C, Sections 3.1 and 4.1 of the SWQMP.

ii. Number and description of meetings, training sessions, and events conducted to involve citizens: The MS4 Operator, and any and all subsequent entities conducted, prepared, organized, etc. the following public involvement activities:

In addition to stormwater information being available on the City of Peru's website, Peru Utilities now also has a stormwater web page it is at <http://www.peruutilities.com/StormWater.htm>.

The Stormwater Coordinator researched the number of second grade enrollments for the 2007/2008 school year for the purpose of purchasing stormwater activity books for those grades. 350 activity books were purchased. 200 were distributed to Peru Community School second graders. 23 were distributed to a Peru Community School third grade class. 11 were distributed to Saint Charles Catholic School second graders. Approximately 100 additional brochures are available to be distributed to schools, libraries, or other organizations as requested.

It has been determined that brochures and fact sheets will be more beneficial if available in permanent locations rather than local events. "After the Storm" brochures were printed and distributed to four (4) permanent locations. These locations include Peru City Hall, The Peru Utilities Office, the Peru/Miami County Chamber of Commerce Office, and the Public Library. These locations will be advertised on the stormwater websites.

The Stormwater Coordinator was available for questions and public comments at twelve (12) Utility Service Board public meetings. The dates of those meetings were November 1 and December 6, 2006, and January 10, February 14, March 14, April 11, May 9, June 13, July 11, August 1, September 12 and October 10, 2007.

The MS4 Operator and the Stormwater Coordinator also spoke at a Public Meeting discussing the amendment of the WWTP PER to include a sewer separation/stormwater project on September 24, 2007 at Elmwood School with thirty-five (35) people present.

The Stormwater Coordinator spoke about stormwater pollution prevention to two (2) High School Environmental Biology Classes on March 14, 2007. Forty-two (42) students were in attendance, and 42 "After the Storm" brochures were distributed.

The Stormwater Coordinator spoke about stormwater pollution prevention to the Blair Point SOAR students on March 1, 2007. Twenty (20) students were in attendance and 20 "After the Storm" brochures were distributed.

The Oakdale Drainage Committee containing five members was formed in October 2006 to address flooding and stormwater issues in the Oakdale Subdivision of Peru. Four (4) meetings were held between November 1, 2006 and November 1, 2007. The dates of the meetings were: November 20 and December 11, 2006, and April 19 and September 20, 2007.

All of this is in accordance with Part C, Section 3.2 of the SWQMP.

iii. Number or percentage of citizens that participate in stormwater quality improvement projects: The MS4 Operator, and any and all subsequent entities conducted, prepared, organized, etc. the following citizen participation projects:

The Miami County Solid Waste District reported that they hold household hazardous waste collection days on the third Thursday of each month from March to November. These collection days run from 9:00 AM to 3:00 PM. This is a total of 9 days. The Solid Waste District reported that from November 1, 2006 to November 1, 2007 they had approximately 250 participants, and collected a total of 27,324 pounds of hazardous waste. Additionally, at recycling drop boxes around the county they collected 1062 tons of recyclables. This is in accordance with Part C, Section 4.2 of the SWQMP.

A Public Meeting discussing the amendment of the WWTP PER to include a sewer separation/stormwater project was held on September 24, 2007 at Elmwood School with thirty-five (35) people present.

The Oakdale Drainage Committee containing five members was formed in October 2006 to address flooding and stormwater issues in the Oakdale Subdivision of Peru. Four (4) meetings were held between November 1, 2006 and November 1, 2007. The dates of the meetings were: November 20 and December 11, 2006, and April 19 and September 20, 2007.

- iv. **Number and location of storm drains marked or cast:** Thirty-four (34) new or refurbished inlets were installed on the West Main Street Phase II project. All inlets on the project included the "Dump No Waste - Drains to River" message cast on them. The Mayor's Youth Council has not yet formed for the current school year; therefore they were not able to participate in storm drain marking between November 1, 2006, and November 1, 2007. The Stormwater Coordinator is researching another group to add to this one for storm drain marking next year
- v. **Estimated linear feet or percentage of MS4 conveyances mapped:** The MS4 Operator has collected data and mapped at least 50% of the MS4 Conveyances. The Stormwater Coordinator is researching the use of a GIS system for system mapping and the conversion of current data to state plane coordinates. This is in accordance with Part C, Section 5.1 of the SWQMP.
- vi. **Number and location of MS4 area outfalls mapped:** The stormwater outfalls that drain into the Wabash River, Schoolman Ditch, and Distillery Ditch South of 5th Street were field located by latitude and longitude coordinates. All ninety-three (93) structures were inspected and measured. This is in accordance with Part C, Sections 2.7 and 5.1 of the SWQMP.
- vii. **Number and location of MS4 area outfalls screened for illicit discharges:** The ninety-three (93) stormwater outfalls that drain into the Wabash River, Schoolman Ditch, and Distillery Ditch South of 5th Street were screened for illicit discharges during dry weather. In addition, the Armstrong Tunnel, which conveys the final 1500 feet of Schoolman Ditch, was inspected. The eleven (11) structures that drain into it were screened for illicit discharges. This is approximately 75% of the MS4 area outfalls. The MS4 Operator must screen an additional 25% of the Outfalls between November 1, 2007, and November 1, 2008. This is in compliance with Part C, Section 5.3 of the SWQMP.
- viii. **Number and location of illicit discharges detected:** The MS4 Operator detected two (2) illicit discharges. Commercial customers were caught dumping debris or dirty water into catch basins. After verbal warnings both have agreed to discontinue the practice. This is in accordance with Part C, Section 5.3 of the SWQMP.
- ix. **Number and location of illicit discharges eliminated:** Two illicit discharges were eliminated. Illegal dumping at Broadway and Daniel, and at Miami and Bayless Streets. This is in accordance with Part C, Section 5.3 of the SWQMP.
- x. **Number of, and amount of material collected from, HHW collections:** See iii. Above.
- xi. **Number and location of citizen drop-off centers for automotive fluids:** There are no municipally owned/run citizen drop-off centers for automotive fluids; therefore this programmatic indicator was not used.
- xii. **Number or percentage of citizens that participate in HHW collections:** See iii. Above.
- xiii. **Number of construction sites permitted for stormwater quality:** Four (4) construction sites were permitted for stormwater quality between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Sections 6.2 and 7.2 of the SWQMP.
- xiv. **Number of construction sites inspected:** Four (4) construction sites were inspected for stormwater quality between November 1, 2006, and November 1, 2007. These sites were inspected thirty-five (35) times during that time. This is in accordance with Part C, Sections 6.2 and 7.2 of the SWQMP.
- xv. **Number and type of enforcement actions taken against construction site operators:** No enforcement actions were taken against construction site operators. Verbal warnings were all that was necessary. This is in accordance with Part C, Sections 6.2 and 7.2 of the SWQMP.
- xvi. **Number of public informational requests received related to construction sites:** No public informational requests were received concerning local construction activities. This is in accordance with Part C, Sections 6.2 and 7.2 of the SWQMP.
- xvii. **Number, type, and location of structural BMPs installed:** One municipally owned structural BMP was

installed within the MS4 area between November 1, 2006, and November 1, 2007. A vortex separator was installed near the end of the Maple Street storm outfall. Thirteen (13) privately owned structural BMPs were installed during the same period. Storm inlet filters were installed in the parking lots of two redevelopment projects. This is in accordance with Part C, Section 7.2 of the SWQMP.

- xviii. Number, type, and location of structural BMPs inspected:** One municipally owned structural BMP was inspected within the MS4 area between November 1, 2006, and November 1, 2007. A vortex separator was installed near the end of the Maple Street storm outfall during the summer and was inspected one (1) time on September 12, 2007. Thirteen (13) privately owned structural BMPs were installed during the same period. Storm inlet filters were installed in the parking lots of two redevelopment projects and were inspected upon installation. This is in accordance with Part C, Sections 7.2 and 7.4 of the SWQMP.
- xix. Number, type, and location of structural BMPs maintained, or improved to function properly:** One structural BMP was installed between November 1, 2006, and November 1, 2007. It did not need to be maintained or improved; therefore no structural BMPs were maintained or improved. This is in accordance with Part C, Sections 7.2 and 7.4 of the SWQMP.
- xx. Type and location of nonstructural BMPs utilized:** Nonstructural BMPs being utilized throughout the MS4 area include litter pick-up, employee training, proper waste disposal methods, meetings, training sessions, events to involve the public, minimization of pesticide and fertilizer use, and street sweeping. Refer to question 9.f and 11.ii, xxv, xxxiii. This is in accordance with Part C, Section 7.2 of the SWQMP.
- xxi. Estimated acreage or square footage of open space preserved and mapped:** No open space was preserved or mapped by the MS4 Operator between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 7.2 of the SWQMP.
- xxii. Estimated acreage or square footage of mapped pervious and impervious surfaces:** The MS4 Operator mapped approximately 1.8 acres of impervious surface between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 7.2 of the SWQMP.
- xxiii. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs:** There were no retail gasoline outlets or municipal, state, federal, or institutional refueling areas constructed or existing facilities replacing their fuel tanks between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 7.2 of the SWQMP.
- xxiv. Number and location of entity facilities that have containment for accidental releases:** The MS4 Operator has identified storage areas of concentrated solutions, acids, alkalis, salts, oils, and other polluting materials. There are eight (8) existing storage facilities, two (2) of which have containment for accidental releases. The MS4 Operator has insured that any new storage areas have containment structure enclosures designed to meet current OSHA, State, and local codes. This is in accordance with Part C, Section 8.2.3 of the SWQMP.
- xxv. Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity:** Approximately 47 acres of land within the MS4 area received pesticide, herbicide, and fertilizer applications. Any remaining pesticides and/or fertilizers were disposed of in accordance with specific label instructions and the Indiana State Chemists Guidance Requirements. In addition, the MS4 Operator has developed procedures for using, applying, handling storing, mixing, loading, transporting and disposing of pesticides and fertilizers in accordance with the Indiana State Chemists Guidance Requirements. This is in accordance with Part C, Section 8.2.7 of the SWQMP.
- xxvi. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an adequately sized vegetated filter strip:** Peru Utilities has inspected all roadside ditches and unvegetated swales and found that 100% have adequately sized vegetative filter strips. All of this is in accordance with Part C, Section 8.1.5 of the SWQMP.
- xxvii. Estimated linear feet or percentage and location of MS4s cleaned or repaired:** Trash and debris was cleaned off of all MS4 grates and trash racks following every major rain event between November 1, 2006, and November 1, 2007. In addition, 8 inlets were repaired, or rehabilitated, 19 catch basins and inlets were cleaned and inspected, and 9 catch basins were lined to eliminate infiltration and improve structural integrity. This is in accordance with Part C, Section 8.1.2 of the SWQMP.
- xxviii. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized:** Approximately ten (10) feet of roadside ditch near the intersection of Main and Ash Streets was stabilized using concrete slurry over riprap between November 1, 2006, and November 1, 2007. This is in accordance with Part

C, Section 8.1.4 of the SWQMP.

- xxix. Number and location of stormwater outfall areas remediated from scouring conditions:** All known CSO and MS4 outfalls were inspected and none needed to be remediated from scouring conditions. This is in accordance with Part C, Section 8.1.6 of the SWQMP.
- xxx. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize stormwater exposure:** There is one (1) new salt and sand storage facility that was built within the MS4 area between November 1, 2006, and November 1, 2007. It is not covered. The Street Department is planning a roof over the storage area to be built next year. In addition the street department has developed policies and procedures for the delivery, storage, disbursement and cleanup of salt and sand applications. This is in accordance with Part C, Section 8.2.1 of the SWQMP.
- xxxi. Estimated amount, in tons, of salt and sand used for snow and ice control:** The Peru Street Department used approximately 1,152 tons of salt and sand for snow and ice control between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 8.2.1 of the SWQMP.
- xxxii. Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning:** Peru Utilities removes trash and debris from all catch basin grates within the MS4 area following every major rain event. Between November 1, 2006, and November 1, 2007 approximately 72.5 cubic yards of material were collected and disposed of. In addition catch basins were inspected and cleaned with a Vactor truck in various locations throughout the City, and approximately 32 cubic yards of material were removed and disposed of. This is in accordance with Part C, Section 8.1.2 of the SWQMP.
- xxxiii. Estimated amount of material collected from street sweeping:** The Street Department collected approximately 3074 cubic yards of material from street sweeping, and approximately 1902 cubic yards of fallen leaves between November 1, 2006, and November 1, 2007. This is in accordance with Part C, Section 8.1.3 of the SWQMP.
- xxxiv. Number or percentage and location of canine parks sited at least 150 feet away from a surface water body:** The City of Peru is still void of any canine parks within the MS4 area; therefore, there is nothing to report for this programmatic indicator. Refer to Part C, Section 8.2.8 of the SWQMP.
- xxxv. Other:** There are no other programmatic indicators identified in the Peru SWQMP, other than those discussed on previous pages.

12. On-Going Water Quality Characterization Activities:

a) Monitoring Data (submit summary of appropriate results): Results are shown in Exhibit A.

b) Other:

13. Discuss any problems encountered during this period (include any BMP changes in response to problems encountered).

There were no problems encountered during this period.

14. Identify any new funding source(s) for implementing this permit.

There are no new funding sources for implementing this permit.

15. Identify any non-routine (i.e. do not include routine maintenance or cleaning) budgetary transactions related to your permit. List all stormwater improvement projects started during this reporting period.

Engineering plans are being drawn for two sewer separation projects: The Oakdale Project draining approximately 80 acres, and the Second and Clay Project draining approximately 7 acres.

16. Provide a summary of complaints received and the follow-up actions taken in reference to stormwater quality issues.

The MS4 Operator received eight (8) complaints about stormwater between November 1, 2006, and November 1, 2007. None of the complaints were in regard to stormwater quality issues.

17. Implementation status:

a. Are the six minimum control measures being implemented within the compliance schedule and SWQMP timetables?

Yes No*

* If no, explain:

b. Do you foresee any problems which may affect full implementation of all the measures?

Yes No*

* If yes, explain:

c. Are the six minimum control measures meeting percent reduction goals specified in the SWQMP?

Yes No*

* If no, explain:

PART E: CERTIFICATION AND SIGNATURE

► **The individual completing this report, listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:**

“By signing this Rule 13 annual report, I hereby 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.”

Type or Print Name: Mike Dahlquist

Signature: _____

Date: _____
(mm/dd/year)

EXHIBIT A - On-going Water Quality Monitoring Data (May 2007)

Parameter	unit	Wabash River Upper		Wabash River Lower		Prarie Ditch Upper		Prarie Ditch Lower	
		5/16/07 Wet Weather	5/8/07 Dry Weather	5/16/07 Wet Weather	5/8/07 Dry Weather	5/16/07 Wet Weather	5/8/07 Dry Weather	5/16/07 Wet Weather	5/8/07 Dry Weather
Oil and Grease	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
CBOD5 (Carbonaceous biochemical oxygen demand)	mg/l	2.4	2	2.6	2	<2.0	5	<2.0	1
COD (Chemical oxygen demand)	mg/l	15	ND	18	ND	ND	ND	ND	ND
TSS (Total suspended solids)	mg/l	18	32	17	34	8	51	5	3.2
TKN (Total Kjeldahl nitrogen)	mg/l	2.74	1.42	2.38	1.55	1.56	2.18	1.56	ND
Total phosphorus	mg/l	0.20	*0.30	0.18	*0.48	ND	*0.26	ND	*0.12
pH	mg/l	7.7	7.5	7.8	7.6	7.7	7.5	7.4	7.3
NH3 (Ammonia)	mg/l	0.1	0.1	<0.1	0.1	<0.1	0.4	<0.1	<0.1
Nitrate plus nitrite nitrogen	mg/l	2.53	3.29	2.61	3.08	0.565	ND	2.61	3.36
E. coli	colonies/100mL	196	54	248	25	431	6	1203	169
DO (dissolved oxygen)	mg/l	8.3	8.4	8.0	8.2	8.3	5.1	7.3	7.7
Total Cadmium	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
Hardness - Calcium carbonate	mg/l	197	175	202	174	335	210	290	320
Total Zinc	mg/l	ND	0.026	ND	0.029	0.028	0.186	ND	ND
Arsenic	mg/l	ND	ND	ND	ND	ND	0.080	ND	ND
Total Copper	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
Total Mercury	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
Total Nickel	mg/l	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not Detected at the Reporting Limit

* Dry weather Total Phosphorus was missed in the initial sampling and was re-sampled on June11, 2007