



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

MS4 ANNUAL REPORT FORM
FOR STORMWATER DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Reporting Period

(Check appropriate block. Fill in the year for the reporting period you are submitting the report if not listed.)

- March 10, 2008 through March 9, 2009 (due June 9, 2009)
 March 10, 2009 through March 9, 2010 (due June 9, 2010)
 March 10, 2014 through March 9, 2015 (due June 9, 2015)

SECTION I - SMALL MS4 OPERATOR INFORMATION

1. Name of MS4 Permittee and NPDES Permit Number

Name: Denver Borough PAG: 133592 PAI: _____

Co-permittee : _____

2. Location

Municipality: Denver Borough County: Lancaster

Watershed Name(s): 7-J Conestoga River

3. Contact Person from the MS4

Name: Michael Hession Title: Borough Manager Phone: 717-336-2831

Fax: 717-336-7190 Email: MHession@denverboro.net

4. Permittee Mailing Address

Address: 501 Main Street

City: Denver State: PA Zip Code: 17517

5. MS4 Website (If applicable)

URL: www.denverboro.net

6. Permittee's Consultant/Engineer Information (If applicable)

Company Name: Hanover Engineering Associates, Inc.

Consultant/Engineer Name: Farley Fry Title: Senior Project Manager

Phone: 717-721-7444 Fax: 717-721-7447 Email: ffry@hanovereng.com

Address: 20-C Snyder Lane

City: Ephrata State: PA Zip Code: 17522



pennsylvania
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- March 10, 2008 through March 9, 2009 (due June 9, 2009)
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SECTION I – SMALL MS4 OPERATOR INFORMATION

1. Name of MS4 Permittee and NPDES Permit Number

Name: Denver Borough PAG: 133592 PAI: _____
Co-permittee : _____

2. Location

Municipality: Denver Borough County: Lancaster
Watershed Name(s): 7-J Conestoga River

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Name: Michael Hession Title: Borough Manager Phone: 717-336-2831
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Phone: 717-721-7444 Fax: 717-721-7447 Email: ffry@hanovereng.com
Address: 20-C Snyder Lane
City: Ephrata State: PA Zip Code: 17522

7C. Please provide current contact name and phone number information:

MCM #1

Public Education and Outreach on Storm Water Impacts

Name: Michael Hession

Phone: 717-336-2831

MCM #2

Public Involvement/Participation

Name: Michael Hession

Phone: 717-336-2831

MCM #3

Illicit Discharge Detection and Elimination (IDD&E)

Name: Michael Hession

Phone: 717-336-2831

MCM #4

Construction Site Storm Water Runoff Control

Name: Lancaster County Conservation District

Phone: 717-299-5361 Ext. 5

MCM #5

Post-Construction Storm Water Management in New Development and Redevelopment

Name: Michael Hession

Phone: 717-336-2831

MCM #6

Pollution Prevention/Good Housekeeping for Municipal Operations

Name: George Whetsel

Phone: 717-336-2831

MCM#1 - PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS — MINIMUM CONTROL MEASURE

8A. MS4s USING DEP PROTOCOL for this MCM

BMP: Update Target Audience Information (Have you reviewed your public education plan for accuracy and content and made any relevant changes regarding your target audiences and their communication channels? If so, include/attach your revised plan.)

Measurable goal for this BMP was met.

Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: During the 2014-2015 program year, the Borough of Denver reviewed and updated the Borough's Storm Water Public Education and Participation Plan by modifying the target audience and by developing the most effective means to distribute educational materials provided by PA DEP. The updates include a listing of all new target audiences in the Borough and the development of goals and objectives for the program.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

8B. BMP: Continue public education and outreach. (What was accomplished during the past permit year regarding: Developer education/outreach? Storm water ad in local newspaper? Provide posters or other information to schools and businesses? Storm drain stenciling/markings? Maintain website links and provide website educational info? Educational information in your newsletter? Any other public education/outreach?)

Measurable goal for this BMP was met.

Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: During the reporting year, the Borough made available various storm water management information packets for developers, contractors, and residents to take and review when applying for either a Zoning Permit or a Construction Code Permit. Beginning in June, 2006, the Borough distributed copies of storm water management information to all property owners, developers, and contractors who applied for either a Zoning Permit or a Construction Code Permit in the Borough. The information included various brochures and pamphlets concerning storm water management.

The Borough also distributed a copy of the "When It Rains, It Drains" pamphlet to all new Borough residents in the Borough's Welcome Packet. The Borough also added a link to DEP's website on the Borough's new website page located at www.denverboro.net.

The Borough's newsletter was published four (4) times during the reporting period and stormwater educational information was included in all four (4) newsletters. The May, 2014 newsletter included an article about Denver Borough's new Storm Water Management Ordinance and Regulations. The August, 2014 newsletter included information concerning the Borough's annual leaf collection program. The November, 2014 newsletter included an article about tree planting in the Borough, and, the February, 2015 newsletter included a full page conservation corner insert detailing the advantages of rain gardens and rain barrels for residential properties in the Borough.

The Borough and the Shade Tree Commission staffed an information booth at the 2014 Denver Community Fair (September 9, 2014 - September 13, 2014) in which information concerning the roles of trees in stormwater management was discussed and distributed to people who attended the Denver Community Fair.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#1 (continued)

9. MS4s USING OWN PROTOCOL FOR THIS MCM

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#2 - PUBLIC INVOLVEMENT/PARTICIPATION — MINIMUM CONTROL MEASURE

10A. MS4s USING DEP *PROTOCOL* for this MCM

BMP: Update your Public Involvement and Participation Plan (PIPP). (Have you reviewed your PIPP for accuracy and content and made any relevant changes? If so, include/attach your revised PIPP.)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: During the 2014-2015 reporting year, the Borough of Denver reviewed the Public Information and Participation Plan (PIPP) for accuracy and content and made the necessary revisions to keep the Plan current. Attached is a copy of the revised PIPP. The Borough uses the Borough's quarterly newsletter and the Borough website to invite the general public to participate in the processes associated with the development, implementation, and update of programs related to this General Permit. For programs limited to or associated with a specific location, the Borough also will send notices to property owners via regular mail inviting them to participate in the program/planning/event.

Public information and participation opportunities are communicated with the various organizations that operate in proximity of the Borough's MS4 and/or receiving waters through the Borough's newsletter and through the Borough's website. Also, the Borough is a member of the Cocalico Creek Watershed Association and information concerning these items are shared through attendance at meetings.

The Borough has posted a copy of the Borough's previous MS4 Annual Report Form (March 10, 2013 through March 9, 2014) on the Borough's website at www.denverboro.net. The Borough will continue to post copies of the Annual Reports on the website and will continue to make copies available at the Municipal Building and by U.S. Mail, upon request.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

10B. BMP: Notify and solicit public input/involvement regarding implementation of your Storm Water Management Program. (How and when did you solicit public input/involvement? What were the results/accomplishments during the past permit year?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Borough continued to educate and notify the community about the implementation of the Storm Water Management Program through the Borough's Zoning Permit and Construction Code Permit Application reviews. The community is aware of the Storm Water Management Program in the Borough and is becoming increasingly more knowledgeable as to their role in the successful implementation of the Program. The Borough continues to educate the community concerning the storm water management guidelines and regulations each time a property owner or resident inquires about a Zoning or Construction Code Permit.

The Borough also held a storm water management information meeting on March 11, 2014. The meeting was advertised via the Borough's website. None (9) people attended the meeting which was used to discuss the proposed changes to the Borough's Stormwater Management Ordinance.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#2 (continued)

11. MS4s USING OWN PROTOCOL FOR THIS MCM

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E) — MINIMUM CONTROL MEASURE

12A. MS4s USING DEP PROTOCOL for this MCM

BMP: Map all outfalls and receiving water-bodies. (Is your map up-to-date and accurate? Have you mapped additional features that can assist your outfall screening program, such as inlets, piping and outfall drainage areas? If updated, please submit)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **The Borough of Denver's Storm Sewer Location Map includes a listing of all outfalls and receiving water bodies in the Borough. The Map also includes the following additional features that can assist with the outfall screening program: inlets owned by the Borough, PennDOT, and private or Cocalico School District; manholes owned by the Borough, PennDOT, and private or Cocalico School District; outlets owned by the Borough, PennDOT, and private or Cocalico School District, all Borough outfalls, and storm water piping owned by the Borough, PennDOT, and private or Cocalico School District. The Borough's Storm Sewer Atlas map was updated in September, 2012 by Hanover Engineering Associates, Inc.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

12B. BMP Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **On April 28, 2014, Denver Borough Council adopted Ordinance No. 618 - Borough of Denver's Storm Water Management Ordinance. This Ordinance implements the Lancaster County Act 167 Stormwater Management Plan as well as provisions to implement and enforce the Illicit Discharge Detection and Elimination (IDD&E) Program. During Year 11, the Borough implemented and enforced the provision of Ordinance No. 618. The Borough continues to track projects that increased the amount of impervious surface on a parcel and enforced the regulations of the Ordinance through Zoning Permit reviews, Construction Permit reviews, and Subdivision and Land Development Application reviews.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

12C. BMP: Distribute IDD&E specific educational material. (What educational material was distributed to public employees, businesses and the general public concerning the hazards associated with illegal discharges and improper disposal of waste? Who received it? When?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **The Borough distributed a copy of the "When It Rains, It Drains" pamphlet to all new Borough residents in the Borough's Welcome Packet. Beginning in June, 2006, and continuing through the 2014-2015 year, the Borough distributed copies of storm water management information to all property owners, developers, and contractors who applied for either a Zoning Permit or a Construction Code Permit in the Borough. The information included various brochures and pamphlets concerning storm water management. Lastly, the Borough included articles concerning storm water management and the responsibility of the residents of the Borough in all four (4) of the Borough's quarterly newsletters during the past year.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#3 (continued)

12D. **BMP: Establish priority areas, conduct screening/sampling and take appropriate actions as needed.**
(Describe how the priority area was established and which outfalls were selected for screening during the past permit year. Summarize the results of your outfall screening/sampling. Include properly completed illicit discharge field screening form for any problem outfall. Include the illicit discharge quarterly summary report form. Describe the corrective actions taken to eliminate any illicit discharges or connections.)

Number of outfalls in system:	<u>16</u>
Number of outfalls screened during the past permit year:	<u>16</u>
Number of screenings conducted during the past permit year:	<u>48</u>
Number of outfalls/screenings with dry weather flow during the past permit year:	<u>0</u>
Number of dry weather flows sampled during the past permit year:	<u>0</u>
Number of outfalls determined to have an illicit discharge or connection during past permit year:	<u>0</u>

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: Based on the small number of outfalls in the Borough's system, Borough staff inspected all 16 outfalls in the Borough system during the past permit year during three (3) quarters. The results of the outfall screening was that all were functioning properly and there were no illicit discharge problems to report. Attached are copies of the illicit discharge quarterly summary report forms for each of the three (3) quarters. No corrective action is required at this time.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#3 (continued)

13. MS4s USING OWN PROTOCOL FOR THIS MCM

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#4 - CONSTRUCTION SITE STORM WATER RUNOFF CONTROL — MINIMUM CONTROL MEASURE

14A. MS4s USING DEP PROTOCOL for this MCM

BMP: Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?).

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: On April 28, 2014, Denver Borough Council adopted Ordinance No. 618 - Borough of Denver's Storm Water Management Ordinance. Ordinance No. 618 includes provisions dealing with this minimum control measure. The Borough also renewed its Memorandum of Understanding between the Lancaster County Conservation District (LCCD) and the Borough of Denver to validate the linkage between the Borough and the LCCD as required by the Municipal Separate Storm Sewer System (MS4) wherein regulated MS4s are required to have a plan for construction site storm water runoff control.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

14B. BMP: Implement procedures for the review and enforcement of Erosion and Sediment (E&S) Control Plans. (Who reviewed E&S Control Plans during the past permit year? Did the MS4 permittee conduct any E&S site inspections? Briefly describe any enforcement activities undertaken by the MS4 permittee.)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: As per the provisions in the Memorandum of Understanding between the Lancaster County Conservation District (LCCD) and the Borough of Denver, the LCCD reviewed all erosion and sediment pollution control plans in the Borough of Denver during the past year. The E&S review conducted by the LCCD includes both site inspections and summary reports for the E&S Plan. The LCCD did not undertake any enforcement activities during the past year.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

14C. BMP: Provide education and outreach for developers and builders. (What educational/outreach materials were distributed to developers/builders during the past permit year?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: During the reporting year, the Borough made available various storm water management information packets for developers, contractors, and residents to take and review when applying for either a zoning or construction code permit. Beginning in June, 2006, the Borough attached copies of storm water management information to all Zoning Permit and Construction Code Permit applications. The information included various brochures and information concerning storm water management.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#4 (continued)

14D. **BMP: Require construction site operators to control waste at the construction site.** (What was done in the past permit year to require construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Borough, through site inspections by Borough staff including the Zoning Officer, the Code Enforcement Officer, the Borough Engineer, and the Construction Code Official, along with inspections by staff from the LCCD, monitored the activities of construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

14E. **BMP: Implement procedures for the receipt and consideration of information submitted by the public.** (Summarize any information or complaints received from the public during the past permit year concerning construction site storm water runoff. Briefly describe how you responded to any such information/complaints?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Borough did not receive any complaints during the past year regarding construction site storm water runoff.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#4 (continued)

15. MS4s USING OWN PROTOCOL FOR THIS MCM

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Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#5 - POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT — MINIMUM CONTROL MEASURE

16A. MS4s USING DEP PROTOCOL for this MCM

BMP: Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: On April 28, 2014, Denver Borough Council adopted Ordinance No. 618 - Borough of Denver's Storm Water Management Ordinance. Ordinance No. 618 includes provisions dealing with this minimum control measure. During the past year, the Borough has enforced the provisions of this Ordinance through site inspections and monitoring completed by the Borough Engineer, the Zoning Officer, and the Code Enforcement Officer.

The Borough also renewed the Memorandum of Understanding between the Lancaster County Conservation District and the Borough of Denver to validate the linkage between the Borough and the LCCD as required by the Municipal Separate Storm Sewer System (MS4) wherein regulated MS4s are required to have a plan for construction site storm water runoff control. Attached is a copy of the memorandum of Understanding as well as a summary of activities report for the Chapter 102 and NPDES Programs for Denver Borough during 2014.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

16B. BMP: Ensure that all Post-Construction Storm Water Management (PCSWM) BMPs in new or re-development areas are built as designed, and operated and maintained properly. (Summarize how the MS4 permittee accomplished this during the past permit year. Include a list of all applicable PCSWM BMPs.)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Borough currently has the following BMPs constructed in the Borough:

Borough of Denver Municipal Building - subsurface seepage bed - 501 Main Street

Denver Self Storage - Bioretention trench and detention basin - 300 block of Locust Street.

Denver Cold Storage - Swale and detention basin - 300 Washington Street.

Leid, Lorah, Company - Pervious paving - 117 North 6th Street.

Emory Weaver Subdivision Plan - Leach ring system (10 rings) - 620 Main Street.

Weaver Martin Home Construction - Seepage Pits (3) and downspout connections - 630 North 5th Street.

Denver Park Annex - Underground seepage bed - 801 Main Street.

Denver Elementary School - Storm water pipe and detention basin - 600 South 4th Street.

Cocalico High School - Storm water pipe and detention basin - 800 South 4th Street.

The Borough, through inspections and seasonal site visits conducted by the Borough Engineer, Zoning Officer, and/or the Code Enforcement Officer, will continue to ensure that all post-construction BMPs are built as designed and operated and maintained properly.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#5 (continued)

17. MS4s USING OWN PROTOCOL FOR THIS MCM

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

**MCM#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS —
MINIMUM CONTROL MEASURE**

18A. MS4s USING DEP PROTOCOL for this MCM

BMP: Implement an operation, maintenance, inspection and repair program for all municipally owned storm water facilities. (Describe how your program was implemented during the past permit year. Include your written Operation & Maintenance (O&M) plan, if not previously submitted.)

Measurable goal for this BMP was met.

Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: During Year 11, the Borough of Denver implemented the operation, maintenance, inspection, and repair program for all municipal owned storm water facilities. Implementation included the inspection of all Borough facilities and repairs made as necessary as well as the continuation of the Borough's street sweeping program. The inspection of the Borough owned facilities was completed by Department of Public Works' staff.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

18B. BMP: Implement a pollution prevention/operation and maintenance program for all municipal vehicle/equipment operation, maintenance, fueling, and washing activities. (Describe how your program was implemented during the past permit year. Include your written pollution prevention/O&M plan, if not previously submitted.)

Measurable goal for this BMP was met.

Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Borough of Denver implemented the established pollution prevention program for municipal vehicle operation, maintenance, fueling, and washing. The pollution prevention program previously was summarized in the 2012-2013 MS4 Report.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

18C. BMP: Conduct BMP 18A and 18B training for appropriate municipal employees. (Who was trained? When was the training conducted? What was the subject matter?)

Measurable goal for this BMP was met.

Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: The Department of Public Works staff was trained during the last permit year on the Borough's operation, maintenance, and repair program for all municipal owned storm water management facilities and on the pollution prevention/operation and maintenance program for all municipal vehicle equipment operation, maintenance, fueling, and washing activities. This training was conducted by the Department Supervisor and incorporated into the daily work activities of the Department.

The Borough Manager also attended the following MS4 training programs during the past year:

- * Municipal Stormwater - Illicit Discharge Programs, September 25, 2014.
- * MS4 - Putting the Pieces Together Webinar, Wednesday, March 19, 2014.
- * Municipal Separate Storm Sewer System (MS4) Workshop on February 18, 2014, in Morgantown, PA.

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#6 (continued)

19. **MS4s USING OWN PROTOCOL FOR THIS MCM**

If you are implementing your own protocol approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E) — MINIMUM CONTROL MEASURE

12A. MS4s USING DEP PROTOCOL for this MCM

BMP: Map all outfalls and receiving water-bodies. (Is your map up-to-date and accurate? Have you mapped additional features that can assist your outfall screening program, such as inlets, piping and outfall drainage areas? If updated, please submit)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **The Borough of Denver's Storm Sewer Location Map includes a listing of all outfalls and receiving water bodies in the Borough. The Map also includes the following additional features that can assist with the outfall screening program: inlets owned by the Borough, PennDOT, and private or Cocalico School District; manholes owned by the Borough, PennDOT, and private or Cocalico School District; outlets owned by the Borough, PennDOT, and private or Cocalico School District, all Borough outfalls, and storm water piping owned by the Borough, PennDOT, and private or Cocalico School District. The Borough's Storm Sewer Atlas map was updated in September, 2012 by Hanover Engineering Associates, Inc.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

12B. BMP Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **On April 28, 2014, Denver Borough Council adopted Ordinance No. 618 - Borough of Denver's Storm Water Management Ordinance. This Ordinance implements the Lancaster County Act 167 Stormwater Management Plan as well as provisions to implement and enforce the Illicit Discharge Detection and Elimination (IDD&E) Program. During Year 11, the Borough implemented and enforced the provision of Ordinance No. 618. The Borough continues to track projects that increased the amount of impervious surface on a parcel and enforced the regulations of the Ordinance through Zoning Permit reviews, Construction Permit reviews, and Subdivision and Land Development Application reviews.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

12C. BMP: Distribute IDD&E specific educational material. (What educational material was distributed to public employees, businesses and the general public concerning the hazards associated with illegal discharges and improper disposal of waste? Who received it? When?)

Measurable goal for this BMP was met. Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions: **The Borough distributed a copy of the "When It Rains, It Drains" pamphlet to all new Borough residents in the Borough's Welcome Packet. Beginning in June, 2006, and continuing through the 2014-2015 year, the Borough distributed copies of storm water management information to all property owners, developers, and contractors who applied for either a Zoning Permit or a Construction Code Permit in the Borough. The information included various brochures and pamphlets concerning storm water management. Lastly, the Borough included articles concerning storm water management and the responsibility of the residents of the Borough in all four (4) of the Borough's quarterly newsletters during the past year.**

Is this BMP appropriate to meet your identified measurable goal? Yes No. If No, please provide additional information on other BMP(s) that would meet the goal.

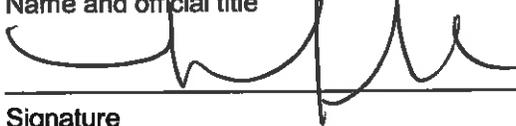
SECTION III – CERTIFICATION

CERTIFICATION STATEMENT

I certify under penalty of law that 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.

Michael Hession, Borough Manager/Secretary

Name and official title



Signature

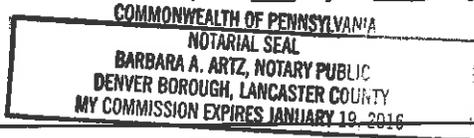
July 6, 2015

Date

Sworn and subscribed to before me, this 6th day of July, 2015

Barbara A. Artz

Notary Public



My commission expires _____

(Notary Public Seal and Stamp)

SECTION IV – SPECIAL ADDENDUM REPORT FOR MS4S DISCHARGING INTO THE CHESAPEAKE BAY WATERSHED

Reporting Period

(Check appropriate block. Fill in the year for the reporting period you are submitting the report if not listed.)

- March 10, 2008 through March 9, 2009 (due June 9, 2009)
 March 10, 2009 through March 9, 2010 (due June 9, 2010)
 March 10, 2014 through March 9, 2015 (due June 9, 2015)

1. Name: Denver Borough PAG: 133592 PAI: _____
 Name of Contact Person: Michael Hession Telephone Number: 717-336-2831

GEOGRAPHIC LOCATION

2. **State Hydrologic Unit Code** – Provide the Hydrologic Unit Code(s) of the watershed(s) to which the MS4 discharges its storm water. This information is available at EPA's 'Surf Your Watershed' Website at <http://cfpub.epa.gov/surf/state.cfm?statepostal=PA>
 List Hydrologic Unit Code(s): 02050306 _____, _____, _____

URBAN STORM WATER BEST MANAGEMENT PRACTICES

3. **Structural BMPs** – List the permanent structural BMPs installed in the MS4, the number of acres that drain to each BMP, the name of the water body that receives discharges from the BMP, how often each BMP is inspected or maintained (quarterly, annually, etc.), and the name of the person or organization responsible for inspection and maintenance of the BMP.

Structural BMP	Drainage Area	Name of Receiving Water Body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization
N/A				

Borough of Denver Public Education and Outreach Plan

Public education is an essential part of any plan to reduce storm water pollution because the daily activities of millions of people contribute significantly to non-point source pollution. As citizens learn about the impacts of their actions on local water resources, they will become more likely to change their behaviors.

Education is an effective means of improving storm water quality because it can bring about behavior change. An informed and knowledgeable community will offer more support and greater compliance to effective storm water pollution prevention.

The Borough of Denver's Public Education and Outreach Plan established written, measurable goals to achieve compliance with the Borough's Municipal Separate Storm Sewer System (MS4s) permit conditions as follows:

1. Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.

a. The adopted Ordinance amending Chapter 161, Stormwater Management, of the Borough of Denver's Code of Ordinances, is accessible on the Borough's website (www.denverboro.net).

d. The Borough's website will provide citizens with the opportunity to report illicit discharge and pollution concerns through the website; concerns will be logged in an Illicit Discharge Concern Inventory.

2. Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices:

a. Placement of brochure on the Borough's website which provides the public with information regarding car care for cleaner water when washing your car in the driveway; proper disposal of pet waste; and, proper disposal of hazardous waste and other household practices.

b. Provide educational support with Fact Sheets developed by the Borough to help people learn about sensible ways they could change behaviors to avoid storm water pollution at home when actions are observed which are causing pollution. Distribute Fact Sheets in the Borough Newsletter, at the annual Denver Fair, at the Denver Borough Municipal Building, and at the Adamstown Area Library.

3. Promote beneficial on-site reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides:

a. Provide a compost container at the Borough Compost Facility for residents to drop off grass clippings, leaves, and garden waste.

4. Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks:

a. Develop a roof runoff controls Fact Sheet/Policy to address storm water that drains off rooftops to include on the Borough's storm water management webpage.

b. Provide Fact Sheets/Brochures on rain gardens to interested property owners by having the Borough's Zoning Officer's email address available for requests on the Borough's website.

**Borough of Denver
Public Education and Outreach Program**

Who	How Large Audience	How Audience Receives Information	What Organizations They Belong To	Strategies to Distribute Education Materials
Municipal Employees	Administration - 3 Public Works - 5 Recreation - 2	Borough Newsletter Paycheck Stubs Personnel Policy Manual/Employee Orientation Denver Borough website Distribution at Municipal Building Staff meetings	Teamsters Union CCWA	Include information with paycheck stubs Include on website. Include in newsletter. Include information in orientation and with Policy Manual. Stress concepts at staff meetings.
Residents	3,861 Approximately 1,800	Ephrata Review Shopping News Denver Express Adamstown Grapevine Adamstown Area Library Ephrata Public Library Trinity United Methodist Church FUEL Denver Bible Church St. John's UCC OMPH Denver Welcome Packet	CCWA	Include regular information highlights in newsletter, articles in paper, and on web site. Include with new water/sewer cards. Provide information for display at local libraries and for inclusion in church bulletins. Also include information in Welcome Packets.

**Borough of Denver
Public Education and Outreach Program**

Who	How Large Audience	How Audience Receives Information	What Organizations They Belong To	Strategies to Distribute Education Materials
Schools	Elementary Middle School Cocalico High School	Quarterly Newsletters Assemblies monthly. Random visits for guest speakers.	Junior Achievement Boy Scouts/Girl Scouts 4-H All in list	Include on website. Include in newsletter.
Businesses	75	Shopping News Ephrata Review Lancaster Newspapers Reading Eagle/Times Chamber of Commerce Denver Borough	Chamber of Commerce Rotary Merchants Association	Submit information for use.
Developers/ Contractors	40 work in area 25 for permits	Municipal Building Website Trade newsletters Lancaster, Reading, Ephrata, Shopping News	Chamber of Commerce Building trades Merchants Association	Submit information for use.

Borough of Denver Public Involvement and Participation Plan

The Public Involvement and Participation minimum control measure focuses activities on specifically involving the public in the development, implementation and evaluation of the local stormwater management program. In the general sense, this Minimum Control Measure requires the MS4 to involve the public in all aspects of the local stormwater program. Activities may include, but are not limited to: ensuring compliance with public notice and open meetings law; identification of key stakeholders; publishing contact information; soliciting public input on local laws and annual reports; and sponsoring volunteer activities that directly involve the public in stormwater management activities.

To meet the public involvement and public participation requirements, the MS4 has selected the following Best Management Practices (BMP's) and activities to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable. The activities include a number of practices designed to seek public input on programmatic requirements. They may also include specific activities that encourage hands-on public involvement and participation.

The development and implementation of a Public Involvement and Participation Plan will notify the public of activities required by the municipal storm water discharge permit and to encourage input and participation from the public regarding these activities. The following activities will be designed to achieve those goals:

1. Annual Report Public Notice and Presentation

The public is provided notice regarding the availability of the Borough's MS4 Program Annual Report and the report is presented at a meeting open to the public or via the internet. The public has the ability to review the annual report, to ask questions about the report, and to make comments on the report. Any public comments received on the draft annual report are attached to the respective annual report submitted to DEP.

2. Public Access to Stormwater Management Plan

The development and use of the Borough's website provides the public with access to all aspects of the Borough's stormwater management program and plan. The public has the ability to review all documents, ask questions about the various programs, and submit comments.

3. Stormwater Hotline

Establish a web-based hotline through the Borough's website (www.denverboro.net) where the general public can contact the Borough to report stormwater concerns such as spills, illegal dumping, flooding, washouts, or standing water. This activity will contribute to the Borough's understanding of local conditions and keeps the public actively involved in managing stormwater runoff.

4. Community Clean-Up Events

Develop and sponsor programs to involve the public in clean-up of parks, streams, roadsides, and other areas that may influence water quality.

5. Promote Environmental Programs in Schools

Encouraging school groups and community groups to participate in promoting environmental causes.

7. Hold and Annual Arbor Day Ceremony and Tree Planting Program

Conduct the Annual Arbor Day Tree Planting in the Borough including plantings in local parks, along public buildings, along the downtown Main Street area, and in other nature areas.

8. Denver Fair Information Dissemination – Fact Sheets

Distribute fact sheets and staff a booth at the annual Denver Community Fair with members from the Cocalico Creek Watershed Association and the Denver Shade Tree Commission.

9. Storm Drain Stenciling Program

Develop and implement a program to involve the public in the installation and maintenance of permanent markers on all stormwater system catch basins and other stormwater system features. These markers generally inform individuals that dumping is prohibited as the storm system drains to either the Cocalico Creek or the Little Cocalico Creek.

Measurable Goals:

Regulated communities are required to collect and report information about the development and implementation of their stormwater program. Specific information that the Borough is required to collect generally is included in the Annual Report. The Borough also is required to identify “Measurable Goals” that will help the Borough evaluate accomplishments and progress over time. The following “Measurable Goals” have been specifically identified by the Borough:

- Number of Annual Report comments received by the public.
- Number of Stormwater Program comments received from the public.
- Number of emails to the Stormwater Hotline.
- Number of miles of roads cleaned and/or number of acres of parks cleaned during the year.
- Number of attendees at various meetings/events.
- Number and percent of storm drains stenciled.

**Denver Borough's Storm Water Management Public Involvement and Participation Plan
(Revised 2014-2015)**

Agencies/Organizations

Denver Borough Planning Commission
Denver Storm Water Task Force
Denver Borough Businesses (see attached list)
Cocalico School District
Cocalico Creek Watershed Association
Lancaster County Planning Commission
Lancaster County Conservation District
Hanover Engineering Associates, Inc.
Rettew, Inc.
Denver Fire Company
East Cocalico Police Department

Borough Staff/Elected Officials

Borough Council Chairperson – Planning and Building Committee
Borough Manager
Director of Public Works

Local Developers and Builders

Balton Construction, Inc.
Berks Construction, Inc.
Hess Home Builders
Kreiser Construction
Donald Sensenig
Cocalico Builders, Ltd.
Cozy Home Builders
Latshaw Brothers
Burkholder Paving
LGH Construction, Inc.
E.H. Hertzog Construction, Inc.
E.F. Martzall, Inc.

Adjacent Municipal Officials

Carolyn Hildebrand, West Cocalico Township Manager
Mark Hiester, East Cocalico Township Manager
Bruce Leisey, Clay Township Manager
Jay Snyder, Ephrata Borough

Denver Borough 2015 Business Directory

Banks

<p>Ephrata National Bank 1 Main Street Denver, PA 17517 336-4928</p>	<p>Fulton Bank 335 Main Street Denver, PA 17517 336-5588</p>
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Barber Shops/Beauty Salons

<p>Country Hair Studio 322 Main Street Denver, PA 17517 336-4500</p>	<p>Hair Works Salon 401 Walnut Street Denver, PA 17517 336-4714</p>	<p>Mindi Stoner Electrologist 539 Elm Street Denver, PA 17517 336-0600</p>
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<p>Nic's Barber Shop 344 Main Street Denver, PA 17517 336-2296</p>	<p>Salon MJM 354 Main Street Denver, PA 17517 335-2323</p>
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<p>R. Snyder's Beauty Shop 35 Bon View Drive Denver, PA 17517 336-2010</p>	<p>Youphoria, LLC 293 Beech Street Denver, PA 17517 826-7397</p>
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Commercial/Retail

<p>Anderson Pharmacy 334 Main Street Denver, PA 17517 336-2292</p>	<p>Ben Einwechter Com. Programming 308 Washington Street Denver, PA 17517</p>	<p>Burkholder Ever-Green Farm Antiques 705 Franklin Street Denver, PA 17517 336-5444</p>
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<p>Denver Beer Distributor 4 Main Street Denver, PA 17517 336-2277</p>	<p>Denver Meats, Inc. 350 Railroad Street Denver, PA 17517 336-6577</p>	<p>Little Creek Lawn Care 115 Main Street Denver, PA 17517 336-5858</p>
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<p>Denver Planning Mill 129 Walnut Street Denver, PA 17517 336-2281</p>	<p>Denver Supply 25 Main Street Denver, PA 17517 336-2151</p>	<p>Denver House 240 Main Street Denver, PA 17517 336-6355</p>
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<p>The Key Antiques 340 Main Street Denver, PA 17517 335-2699</p>	<p>The Cocalico Cat & Gingham Dog Animal Hospital LLC Denver, PA 17517 336-8387</p>	<p>FruitTastic 100 Monroe Street Denver, PA 17517 336-3001</p>
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<p>Sandoe Auto Parts (NAPA) 4th and Locust Street Denver, PA 17517 336-2811</p>	<p>Windstream Communications 231 Main Street Denver, PA 17517 800-347-1991</p>	<p>Melissa Hess Design Consultant 10 Hawthorne Drive Denver, PA 17517 335-3424</p>
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Turkey Hill Minit Market
300 Main Street
Denver, PA 17517
336-4723

Kohl's Laundry
Saylor & Saylor Enterprises, LLC
300 Railroad Street
Denver, PA 17517
215-257-7335

Klassie Kakes and Katering
219 Fausnacht Drive
Denver, PA 17517
336-4677

Weaver Health Foods
108 South 6th Street
Denver, PA 17517
336-2263

Burkholder's Ever-Green Farm, Inc.
705 Franklin Street
Denver, PA 17517
336-5444

Contractors/Construction

Purcell Construction Co.
560 North 5th Street
Denver, PA 17517
336-7400

Reamstown Excavating, Inc.
560 North 5th Street
Denver, PA 17517
336-3925

Cocalico Plumbing and Heating
27 North 4th Street
Denver, PA 17517
335-3454

Heck Construction Co.
143 Main Street
Denver, PA 17517
336-1020

Jason Simmons Floor Installations
42 Sunrise Circle
Denver, PA 17517
335-3239

CJ Diirner and Sons, Inc.
PO Box 401
Ephrata, PA 17522
717-721-9091

Ken Zeiset Home Imp.
516 Pine Street
Denver, PA 17517
335-3317

Fichthorn Electric
310 Railroad Street
Denver, PA 17517
335-3738

Remodeling Solutions, Inc.
901 Sycamore Drive
Denver, PA 17517
717-283-7691

GKM Electric
291 Beech Street
Denver, PA 17517
336-1005

Mr. Electric
131 Main Street
Denver, PA 17517
335-0557

Climate Control Heating & Air, LLC
700 Main Street
Denver, PA 17517
484-797-6915

Cornerstone Home Inspections, LLC
747 Oak Street
Denver, PA 17517
610-678-2946

Edmonds Cable Services
93 Monroe Street
Denver, PA 17517

Daycare

Cocalico Care Center
South 4th and Lancaster Ave.
Denver, PA 17517
336-4007

Kiddie Korner Nursery School
357 Walnut Street
Denver, PA 17517
336-7975

Florists/Flowers

Ephrata Flower Shop, Inc
621 Pine Street
Denver, PA 17517
336-3344

Garages/Mechanics

Ben's Truck Repair
560 North 5th Street
Denver, PA 17517
336-5700

Green Lawn Garage, Inc.
39 East Lancaster Avenue
Denver, PA 17517
336-6693

Mike's Towing
307 Washington St.
Denver, PA 17517
336-6310

Hertzog's Garage
2 Main Street
Denver, PA 17517
336-8288

Kohl's Custom's & Classics
340 Madison Street
Denver, PA 17517
336-5813

Industry

Ephrata Precision Parts
P.O. Box 323
Denver, PA 17517
336-2814

F & M Hat Company
103 Walnut Street
Denver, PA 17517
336-5505

Gelman Feed Mill
44 North 3rd Street
Denver, PA 17517
336-5585

Gem Ceramic Mold Co.
393 Locust Street
Denver, PA 17517
336-2798

Henry Schein, Inc.
41 Weaver Road
Denver, PA 17517
335-7230

Hope Hosiery Mill
205 Washington Street
Denver, PA 17517
336-4545

Kalas Manufacturing, Inc.
25 Main Street
Denver, PA 17517
336-5575

Ultimate Sports Co.
P.O. Box 286
Denver, PA 17517
336-2700

Direct Wire and Cable, Inc.
412 Oak Street
Denver, PA 17517
336-2842

Denver Cold Storage
300 Washington Street
Denver, PA 17517
336-3900

Denver Self Storage
383 Locust Street
Denver, PA 17517
336-7058

Weaver Industries, Inc.
425 South 4th Street
Denver, PA 17517
336-7507

Custom Fab, Inc.
541 N 4th Street
Denver, PA 17517
407-859-3954

Health/Medical

Cocalico Christian Home
316 North 5th Street
Denver, PA 17517
335-0608

Cocalico Dental Offices
601 North 6th Street
Denver, PA 17517
336-2807

Denver Nursing Home
400 Lancaster Avenue
Stevens, PA 17578
336-3878

Zimmerman Chiropractic
809 North 6th Street
Denver, PA 17517
336-2234

Professional Services

Harding-Yost Insurance
352 Main Street
Denver, PA 17517
336-2231

Nye Solutions
104 Fausnacht Drive
Denver, PA 17517
335-3288

Chris Harnish Painting
417 Walnut Street
Denver, PA 17517
336-5671

Leid, Lorah, and Co., CPA
117 North 6th Street
Denver, PA 17517
336-2891

James K. Noel, Esq.
McNees, Wallace & Nurick
28 North 6th Street
Denver, PA 17517
336-2880

Roseboro-Stradling Funeral Home
533 Walnut Street
Denver, PA 17517
336-6531

U.S. Post Office
101 Snyder Street
Denver, PA 17517
336-2230

Farlow Enterprises
121 Bon View Drive
Denver, PA 17517
336-3194

Life Change Ministry International
308 Washington Street
Denver, PA 17517
336-5437

Rodgers Wildlife Taxidermy
702 N 6th Street
Denver, PA 17517
519-9789

Restaurants

Courtyard Café on Main
349 Main Street
Denver, PA 17517
336-0556

DiBlasi's Sandwich Shop
328 Main Street
Denver, PA 17517
336-6100

CK Grill & BBQ
323 Main Street
Denver, PA 17517

Recreation

KB Gymnastics
Denver Recreation Center
900 Spruce Street
Denver, PA 17517
336-4960

Bars/Social Clubs

Orioles Nest #54
207 Main Street
Denver, PA 17517
336-9939

Government/Institutions/Churches

Borough of Denver State Rep. Mindy Fee (R-37)
501 Main Street 503 Main Street
Denver, PA 17517 Denver, PA 17517
336-2831 336-2199

Horizons of Northeast Lancaster County
505 Main Street
Denver, PA 17517
335-2336

Trinity United Methodist Church
420 Main Street
Denver, PA 17517
336-6903

Denver Mennonite Church
95 Monroe Street
Denver, PA 17517
336-7316

Faith United Evangelical Lutheran Church
357 Walnut Street
Denver, PA 17517
336-2141

St. John's United Church of Christ
South 4th Street and Lancaster Avenue
Denver, PA 17517
336-7600

Faith Mennonite Fellowship Church
335 N. Line Road
Stevens, PA 17578
336-3970

R.E.A.L. Youth Ministry
Lighthouse Youth Center
239 Main Street, PO Box 22
Denver, PA 17517

Cocalico School District
Administration
800 South 4th Street
P.O. Box 800
Denver, PA 17517-0800
336-1413

Cocalico High School
Grades: 9th through 12th
810 South 4th Street
P.O. Box 800
Denver, PA 17517-0800
336-1423

Cocalico Middle School
Grades: 6th through 8th
650 South 4th Street
P.O. Box 800
Denver, PA 17517-0800
336-1471

Denver Elementary School
Grades: Kindergarten through 5th
700 South 4th Street
P.O. Box 800
Denver, PA 17517-0800
336-1501

Illicit Discharge Inspection Quarterly Summary Report

Municipality: DENVER BOROUGH

Contact Name: ZACK KNOLL

Reporting Period: January - March April - June July - September October - December

Year: 2015

1. Describe field surveys.	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points	3	3	10	
Channel Miles				

2. List how many discharges were identified by the following methods. Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:

- _____ identified by maintenance crews
- _____ identified by illicit discharge inspectors

b. Calls from:

- _____ maintenance crews
- _____ other agencies
- _____ public

3. List the number of times the following materials were identified.

- | | |
|--|--|
| <ul style="list-style-type: none"> _____ Paint _____ Concrete _____ Construction Debris _____ Medical Wastes _____ Food Wastes _____ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.) _____ Other (describe): _____ | <ul style="list-style-type: none"> _____ Concrete Cutting Slurry/Washwaters _____ Vehicle Cleaning Washwaters _____ Building/Sidewalk Washwaters _____ Other Washwaters _____ Sewage _____ Automotive Fluids (antifreeze, used motor oil, fuels, etc.) |
|--|--|

1. Describe whether sources of discharges were identified.

- _____ Number of sources that were identified
- _____ Number of incidents when source of discharge was not identified

2. Describe whether discharges were abated.

- _____ Number of discharge incidents that were abated.
- _____ Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- _____ Number of continuing discharges that have already been reported in previous quarter(s).

3. Describe enforcement activities conducted.

- | | |
|--|--|
| <ul style="list-style-type: none"> _____ Verbal Notice _____ Administrative Action _____ Legal Notice | <ul style="list-style-type: none"> _____ Warning Notice _____ Administrative Action w/ Penalty and/or Fine |
|--|--|

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 045 Date: 2/25/15 Time: 10:30am

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG FENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): WOODEN BRIDGE @ NATURE TRAIL

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 1.5
b. APPROXIMATE DEPTH OF WATER (feet): 0.25
c. APPROXIMATE FLOW VELOCITY (feet per second): 0.25
d. FLOW RATE (cubic feet per second) = a x b x c = 0.09375

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: PARTIALLY FROZEN

DATA SHEET FILLED OUT BY: (signature): ZACK KNOLL DATE: 2/25/15

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-12 Date: 2/25/15 Time: 10:40am

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENICK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): SKATE PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: OUTFALL FROZEN

DATA SHEET FILLED OUT BY: (signature): ZACK KNOLL DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-13 Date: 2/25/15 Time: 10:45am

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY DAMN IN CREEK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: OUTFALL FROZEN

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-14 Date: 2/25/15 Time: 10:50am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENKE
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY SKATEZ LINIC

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: OUTFALL FROZEN

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-11 Date: 2/25/15 Time: 10:55 AM

TIME SINCE LAST RAIN: 572 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY MAIN ST. BRIDGE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)
ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____
COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____
CLARITY: CLEAR CLOUDY OPAQUE
FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____
DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____
VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH
STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____
BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: OUTFALL FROZEN

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10 Date: 2/25/15 Time: 11:00am

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENRIK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): RED WHEEL

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: OUTFALL FROZEN

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10A Date: 2/25/15 Time: 11:05 Am

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): RED WHEEL

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: OUT FALL FROZEN

DATA SHEET FILLED OUT BY: (signature): [Signature]

DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-09 Date: 2/25/15 Time: 11:15am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENICK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): HOPE HOSIERY

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN, NO FLOW

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 2/25/15

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-08 Date: 2/25/15 Time: 12:10pm

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCLIC
ZACIE ICNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): KOHL'S LAUNDYMAT

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-07 Date: 2/25/15 Time: 12:15pm

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): OLD 4 SEASONS LOT

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-06 Date: 2/25/15 Time: 12:20pm

TIME SINCE LAST RAIN: <72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENNIS
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): WALNUT ST BRIDGE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-02 Date: 2/25/15 Time: 12:25 PM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): DEAD END N. 2ND

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
- b. APPROXIMATE DEPTH OF WATER (feet): _____
- c. APPROXIMATE FLOW VELOCITY (feet per second): _____
- d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-01 Date: 2/25/15 Time: 12:40pm

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: 20.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENKIC
JACK KNOWL

SITE DESCRIPTION:

LOCATION (Narrative Description): BEHIND POOL, BY TURNPIKE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-03 Date: 2/25/15 Time: 12:50 pm

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG FRICK
JACK KNOWL

SITE DESCRIPTION:

LOCATION (Narrative Description): EAST SIDE N. 3RD ST

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-04 Date: 2/25/15 Time: 12:50pm

TIME SINCE LAST RAIN: 512 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG ENCK
ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): WEST SIDE N. 3RD ST

STRUCTURE TYPE: OPEN CHANNEL MANHOLE **OUTFALL** OTHER: _____

DOMINANT WATERSHED LAND USES: **INDUSTRIAL** COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: FROZEN OUTFALL

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-05 Date: 2/25/15 Time: 1:00pm

TIME SINCE LAST RAIN: 272 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: DOUG FINCK
ZACK KNOLL

SITE DESCRIPTION:
LOCATION (Narrative Description): LOCUST ST OUTFALL BY CREEK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:
WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): TRACE
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:
WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:
WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: TRACE AMOUNT OF FLOW, NOT MEASURABLE

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 2/25/15

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Illicit Discharge Inspection Quarterly Summary Report

NOV 14 2014

Municipality: DENVER BORO

DENVER BOROUGH

Contact Name: Robert L. Rissler

Reporting Period: January - March

April - June

July - September

October - December

Year:

2014

1. Describe field surveys.	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points	3	3	10	
Channel Miles				

2. List how many discharges were identified by the following methods. Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:

_____ identified by maintenance crews

_____ identified by illicit discharge inspectors

b. Calls from:

_____ maintenance crews

_____ other agencies

_____ public

3. List the number of times the following materials were identified.

_____ Paint	_____ Concrete Cutting Slurry/Washwaters
_____ Concrete	_____ Vehicle Cleaning Washwaters
_____ Construction Debris	_____ Building/Sidewalk Washwaters
_____ Medical Wastes	_____ Other Washwaters
_____ Food Wastes	_____ Sewage
_____ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)	_____ Automotive Fluids (antifreeze, used motor oil, fuels, etc.)
_____ Other (describe): _____	

1. Describe whether sources of discharges were identified.

_____ Number of sources that were identified

_____ Number of incidents when source of discharge was not identified

2. Describe whether discharges were abated.

_____ Number of discharge incidents that were abated.

_____ Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)

_____ Number of continuing discharges that have already been reported in previous quarter(s).

3. Describe enforcement activities conducted.

_____ Verbal Notice	_____ Warning Notice
_____ Administrative Action	_____ Administrative Action w/ Penalty and/or Fine
_____ Legal Notice	

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-15 Date: 11-14-14 Time: 12:10

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM: ROB

SITE DESCRIPTION:

LOCATION (Narrative Description): at wooden bridge in park

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0

b. APPROXIMATE DEPTH OF WATER (feet): 0

c. APPROXIMATE FLOW VELOCITY (feet per second): 0

d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES

(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Robert J. Fisher DATE: 11-14-14

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-12 Date: 11-14-14 Time: 12:15

TIME SINCE LAST RAIN: >72 hours <72 hours
 QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
 INSPECTION TEAM: _____

Kob

SITE DESCRIPTION:

LOCATION (Narrative Description): ALONG CREEK IN PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
 OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
 a. WIDTH OF WATER SURFACE (feet): 0
 b. APPROXIMATE DEPTH OF WATER (feet): 0
 c. APPROXIMATE FLOW VELOCITY (feet per second): 0
 d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)
 ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____
 COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____
 CLARITY: CLEAR CLOUDY OPAQUE
 FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____
 DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____
 VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH
 STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____
 BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
 pH: _____ COPPER: _____ mg/l
 PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
 (If yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-13 Date: 11-14-14 Time: 12:20

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): ALONG CREEK IN PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-14 Date: 11-14-14 Time: 18:25

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): ALONG creek IN PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Robert J. P. [Signature] DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-11 Date: 11-14-14 Time: 12:30

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM: Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): ALONG creek in PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Robert J. Kissler DATE: 11-14-14

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ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10 Date: 11-14-14 Time: 12:35

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): at red wheel at base of

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES. (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Robert J. Austin DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10A Date: 11-14-14 Time: 12:40

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): AT RED WHEEL (NEW LINE)

STRUCTURE TYPE: OPEN CHANNEL MANHOLE **OUTFALL** OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL **RESIDENTIAL** UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: **NONE** MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: **CLEAR** RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: **CLEAR** CLOUDY OPAQUE

FLOATABLES: **NONE** OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: **NONE** SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: **NONE** NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: **NORMAL** CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Robert J. Bissler DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: G-09 Date: 11-14-14 Time: 12:45

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

SITE DESCRIPTION:

LOCATION (Narrative Description): Behind Hope Hosiery Parking lot

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____ 0
b. APPROXIMATE DEPTH OF WATER (feet): _____ 0
c. APPROXIMATE FLOW VELOCITY (feet per second): _____ 0
d. FLOW RATE (cubic feet per second) = a x b x c = _____ 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) Robert A. Pender DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-08 Date: 11-14-14 Time: 12:51

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): Railroad st. at Laundry

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____ 0
b. APPROXIMATE DEPTH OF WATER (feet): _____ 0
c. APPROXIMATE FLOW VELOCITY (feet per second): _____ 0
d. FLOW RATE (cubic feet per second) = a x b x c = _____ 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: needs cleaned out

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-07 Date: 11-14-14 Time: 1:08

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): Edge of BANK parking lot (Fu/fo)

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0

b. APPROXIMATE DEPTH OF WATER (feet): 0

c. APPROXIMATE FLOW VELOCITY (feet per second): 0

d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: Pipe cracked & broke

DATA SHEET FILLED OUT BY: (signature): Robert J. [Signature] DATE: 11-14-14

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-06 Date: 11-14-14 Time: 1:15

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): ALONG RAILROAD TRACKS AT WAINW+

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) Robert A. Buehler DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-03 Date: 11-14-14 Time: 1:40

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: Rfb

SITE DESCRIPTION:

LOCATION (Narrative Description): EAST side of 3rd st.

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 11-14-14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-04 Date: 11-14-14 Time: 1:45

TIME SINCE LAST RAIN: ≥72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM: Rob

SITE DESCRIPTION:
LOCATION (Narrative Description): west side of North 3rd st.

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:
WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:
WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)
ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____
COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____
CLARITY: CLEAR CLOUDY OPAQUE
FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____
DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____
VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH
STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____
BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:
WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 11-14-14

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-01 Date: 11-14-14 Time: 1:50

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: Feb

SITE DESCRIPTION:
LOCATION (Narrative Description): Pool Parking Lot

STRUCTURE TYPE: OPEN CHANNEL MANHOLE **OUTFALL** OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL **RESIDENTIAL** UNKNOWN
OTHER: _____

FLOW ESTIMATION:
WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 0
b. APPROXIMATE DEPTH OF WATER (feet): 0
c. APPROXIMATE FLOW VELOCITY (feet per second): 0
d. FLOW RATE (cubic feet per second) = a x b x c = 0

VISUAL OBSERVATIONS:
WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: **NONE** MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: **CLEAR** RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: **CLEAR** CLOUDY OPAQUE

FLOATABLES: **NONE** OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE **SEDIMENTS** OILY OTHER: _____

VEGETATION CONDITION: **NONE** NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: **NORMAL** CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:
WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: should be sealed (baked up)

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 11-14-14

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ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-05 Date: 11-14-14 Time: 1:57

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: _____

Rob

SITE DESCRIPTION:

LOCATION (Narrative Description): Locust st at creek

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): .16
b. APPROXIMATE DEPTH OF WATER (feet): .04
c. APPROXIMATE FLOW VELOCITY (feet per second): .03
d. FLOW RATE (cubic feet per second) = a x b x c = .000512

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIAL/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature) [Signature] DATE: 11-14-14

Illicit Discharge Inspection Quarterly Summary Report

Municipality: DENVER BOROUGH

Contact Name: ZACK KNOLL

Reporting Period: January - March

April - June

July - September

October - December

Year:

2014

Field Activities						
1. Describe field surveys.	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)		
Number of screening points	<u>3</u>	<u>3</u>	<u>10</u>			
Channel Miles						
2. List how many discharges were identified by the following methods. Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.						
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> a. During field surveys at defined screening points: <input type="text"/> identified by maintenance crews <input type="text"/> identified by illicit discharge inspectors </td> <td style="width: 50%; border: none;"> b. Calls from: <input type="text"/> maintenance crews <input type="text"/> other agencies <input type="text"/> public </td> </tr> </table>					a. During field surveys at defined screening points: <input type="text"/> identified by maintenance crews <input type="text"/> identified by illicit discharge inspectors	b. Calls from: <input type="text"/> maintenance crews <input type="text"/> other agencies <input type="text"/> public
a. During field surveys at defined screening points: <input type="text"/> identified by maintenance crews <input type="text"/> identified by illicit discharge inspectors	b. Calls from: <input type="text"/> maintenance crews <input type="text"/> other agencies <input type="text"/> public					
3. List the number of times the following materials were identified.						
<input type="text"/> Paint	<input type="text"/> Concrete Cutting Slurry/Washwaters					
<input type="text"/> Concrete	<input type="text"/> Vehicle Cleaning Washwaters					
<input type="text"/> Construction Debris	<input type="text"/> Building/Sidewalk Washwaters					
<input type="text"/> Medical Wastes	<input type="text"/> Other Washwaters					
<input type="text"/> Food Wastes	<input type="text"/> Sewage					
<input type="text"/> Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)	<input type="text"/> Automotive Fluids (antifreeze, used motor oil, fuels, etc.)					
<input type="text"/> Other (describe): _____						

1. Describe whether sources of discharges were identified.						
<input type="text"/> Number of sources that were identified						
<input type="text"/> Number of incidents when source of discharge was not identified						
2. Describe whether discharges were abated.						
<input type="text"/> Number of discharge incidents that were abated.						
<input type="text"/> Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)						
<input type="text"/> Number of continuing discharges that have already been reported in previous quarter(s).						
3. Describe enforcement activities conducted.						
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input type="text"/> Verbal Notice</td> <td style="width: 50%; border: none;"><input type="text"/> Warning Notice</td> </tr> <tr> <td style="border: none;"><input type="text"/> Administrative Action</td> <td style="border: none;"><input type="text"/> Administrative Action w/ Penalty and/or Fine</td> </tr> <tr> <td style="border: none;"><input type="text"/> Legal Notice</td> <td style="border: none;"></td> </tr> </table>	<input type="text"/> Verbal Notice	<input type="text"/> Warning Notice	<input type="text"/> Administrative Action	<input type="text"/> Administrative Action w/ Penalty and/or Fine	<input type="text"/> Legal Notice	
<input type="text"/> Verbal Notice	<input type="text"/> Warning Notice					
<input type="text"/> Administrative Action	<input type="text"/> Administrative Action w/ Penalty and/or Fine					
<input type="text"/> Legal Notice						

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-09 Date: 5/29/14 Time: 11:00 AM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM:

ZACE KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BEHIND HOPE HOUSING

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 6' 0.5'
b. APPROXIMATE DEPTH OF WATER (feet): 0.25" 0.02075'
c. APPROXIMATE FLOW VELOCITY (feet per second): TRACE 1.0
d. FLOW RATE (cubic feet per second) = a x b x c = 0.0010375

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: TRACE AMOUNT OF POSITIVE FLOW

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-02

Date: 5/29/14

Time: 10:40am

TIME SINCE LAST RAIN: >72 hours <72 hours

QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches

INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): N. 2ND ST (DEADEND)

STRUCTURE TYPE: OPEN CHANNEL

MANHOLE

OUTFALL

OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL

COMMERCIAL

RESIDENTIAL

UNKNOWN

OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO

YES

IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): _____

b. APPROXIMATE DEPTH OF WATER (feet): _____

c. APPROXIMATE FLOW VELOCITY (feet per second): _____

d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO

YES

(Roll and Photo Number: _____)

ODOR: NONE

MUSTY

SEWAGE

ROTTEN EGGS

SOUR MILK

OTHER: _____

COLOR: CLEAR

RED

YELLOW

BROWN

GREEN

GREY

OTHER: _____

CLARITY: CLEAR

CLOUDY

OPAQUE

FLOATABLES: NONE

OILY SHEEN

GARBAGE/SEWAGE

OTHER: _____

DEPOSITS/STAINS: NONE

SEDIMENTS

OILY

OTHER: _____

VEGETATION CONDITION: NONE

NORMAL

EXCESSIVE GROWTH

INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL

CONCRETE CRACKING

METAL CORROSION

OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE

BACTERIA/ALGAE

OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C

pH: _____

PHENOL: _____ mg/l

CHLORINE (Total): _____ mg/l

COPPER: _____ mg/l

DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO

YES

(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature): Zack Knoll

DATE: 5/29/14

ILLCIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 6-04 Date: 5/29/14 Time: 9:10 AM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACE ENOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): 3RD ST - EAST SIDE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-09 Date: 5/29/14 Time: 10:50 am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): RAILROAD ST. - KOHL'S LAUNDRY

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO POSITIVE FLOW SEEN

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM

Data Collection Form

OUTFALL #: 0-06 Date: 5/29/14 Time: 10:45 AM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches

INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): UNDER WALNUT ST BRIDGE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

- a. WIDTH OF WATER SURFACE (feet): _____
- b. APPROXIMATE DEPTH OF WATER (feet): _____
- c. APPROXIMATE FLOW VELOCITY (feet per second): _____
- d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
 pH: _____ COPPER: _____ mg/l
 PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-07

Date: 5/29/14

Time: 11:40 AM

TIME SINCE LAST RAIN: >72 hours <72 hours

QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches

INSPECTION TEAM:

ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): 4-SEASON'S LOT

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): _____

b. APPROXIMATE DEPTH OF WATER (feet): _____

c. APPROXIMATE FLOW VELOCITY (feet per second): _____

d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l

pH: _____ COPPER: _____ mg/l

PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES

(If yes attach copy of chain-of-custody record)

COMMENTS: NO Flow

DATA SHEET FILLED OUT BY: (signature): Zack Knoll

DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-05 Date: 5/29/14 Time: 10:30 AM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: 708 E. K. BOG

SITE DESCRIPTION:

LOCATION (Narrative Description): LOCUST ST + 3RD

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)
ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____
COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____
CLARITY: CLEAR CLOUDY OPAQUE
FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____
DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____
VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH
STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____
BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: WATER LEVEL UP TO DISCHARGE PIPE. NO POSITIVE FLOW IS SEEN

DATA SHEET FILLED OUT BY: (signature): [Signature] DATE: 5/29/14

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-11

Date: 5/29/14

Time: 12:30 PM

TIME SINCE LAST RAIN: >72 hours <72 hours

QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches

INSPECTION TEAM: ZACK ENOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY MAIN ST BRIDGE

STRUCTURE TYPE: OPEN CHANNEL

MANHOLE

OUTFALL

OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL

COMMERCIAL

RESIDENTIAL

UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO

YES

IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): _____

b. APPROXIMATE DEPTH OF WATER (feet): _____

c. APPROXIMATE FLOW VELOCITY (feet per second): _____

d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO

YES

(Roll and Photo Number: _____)

ODOR: NONE

MUSTY

SEWAGE

ROTTEN EGGS

SOUR MILK

OTHER: _____

COLOR: CLEAR

RED

YELLOW

BROWN

GREEN

GREY

OTHER: _____

CLARITY: CLEAR

CLOUDY

OPAQUE

FLOATABLES: NONE

OILY SHEEN

GARBAGE/SEWAGE

OTHER: _____

DEPOSITS/STAINS: NONE

SEDIMENTS

OILY

OTHER: _____

VEGETATION CONDITION: NONE

NORMAL

EXCESSIVE GROWTH

INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL

CONCRETE CRACKING

METAL CORROSION

OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE

BACTERIA/ALGAE

OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C

CHLORINE (Total): _____

mg/l

pH: _____

COPPER: _____

mg/l

PHENOL: _____

mg/l

DETERGENTS: _____

mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO

YES

(if yes attach copy of chain-of-custody record)

COMMENTS: REFX LEVEL UP TO PIPE. NO POSITIVE FLOW SEEN

DATA SHEET FILLED OUT BY: (signature): Zack Enoll

DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-15 Date: 5/29/14 Time: 12:50 pm

TIME SINCE LAST RAIN: 272 hours 72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK FNOEL

SITE DESCRIPTION:

LOCATION (Narrative Description): PAVE TRAIL BRIDGE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 3" 2.5
b. APPROXIMATE DEPTH OF WATER (feet): 1.5" 0.415
c. APPROXIMATE FLOW VELOCITY (feet per second): 1
d. FLOW RATE (cubic feet per second) = a x b x c = 0.010375

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Fnoel DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10A Date: 5/29/14 Time: 12:25am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BORO LOT - NEW LINE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): .5" = 0.04
b. APPROXIMATE DEPTH OF WATER (feet): .10' = 0.0093
c. APPROXIMATE FLOW VELOCITY (feet per second): .5' = .5
d. FLOW RATE (cubic feet per second) = a x b x c = .000166

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-10

Date: 5/29/14

Time: 12:20pm

TIME SINCE LAST RAIN: >72 hours <72 hours

QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches

INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BORO LOT - OLD LINE

STRUCTURE TYPE: OPEN CHANNEL

MANHOLE

OUTFALL

OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL

COMMERCIAL

RESIDENTIAL

UNKNOWN

OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED?

NO

YES

IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet):

2.5" = .29

b. APPROXIMATE DEPTH OF WATER (feet):

.25" = .02075

c. APPROXIMATE FLOW VELOCITY (feet per second):

.5 = .5

d. FLOW RATE (cubic feet per second) = a x b x c =

0.03

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN?

NO

YES

(Roll and Photo Number: _____)

ODOR:

NONE

MUSTY

SEWAGE

ROTTEN EGGS

SOUR MILK

OTHER: _____

COLOR:

CLEAR

RED

YELLOW

BROWN

GREEN

GREY

OTHER: _____

CLARITY:

CLEAR

CLOUDY

OPAQUE

FLOATABLES:

NONE

OILY SHEEN

GARBAGE/SEWAGE

OTHER: _____

DEPOSITS/STAINS:

NONE

SEDIMENTS

OILY

OTHER: _____

VEGETATION CONDITION:

NONE

NORMAL

EXCESSIVE GROWTH

INHIBITED GROWTH

STRUCTURAL CONDITION:

NORMAL

CONCRETE CRACKING

METAL CORROSION

OTHER: _____

BIOLOGICAL:

MOSQUITO LARVAE

BACTERIA/ALGAE

OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C

CHLORINE (Total): _____ mg/l

pH: _____

COPPER: _____ mg/l

PHENOL: _____ mg/l

DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED?

NO

YES

(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Knoll

DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-13 Date: 5/29/14 Time: 12:40 PM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY SKATE PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 2' = 1.67
b. APPROXIMATE DEPTH OF WATER (feet): 1.5' = 0.415
c. APPROXIMATE FLOW VELOCITY (feet per second): 1' = 1
d. FLOW RATE (cubic feet per second) = a x b x c = 0.069

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998.

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-14 Date: 5/29/14 Time: 12:45 PM

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BACK OF SKATE PARK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): 1.5" = 0.499

b. APPROXIMATE DEPTH OF WATER (feet): .25" = 0.2075

c. APPROXIMATE FLOW VELOCITY (feet per second): 1' = 1

d. FLOW RATE (cubic feet per second) = a x b x c = 0.103

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-12 Date: 5/29/14 Time: 12:35 pm

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: >0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): BY FRONT OF SKATE RINK

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): 2' = .1667
b. APPROXIMATE DEPTH OF WATER (feet): .5' = 0.415
c. APPROXIMATE FLOW VELOCITY (feet per second): 1' = 1
d. FLOW RATE (cubic feet per second) = a x b x c = 0.069

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(If yes attach copy of chain-of-custody record)

COMMENTS: _____

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

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ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-01 Date: 5/29/14 Time: 9:20am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:
LOCATION (Narrative Description): POOL PROPERTY

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:
WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:
WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:
WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

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ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: 0-03 Date: 5/29/14 Time: 9:05am

TIME SINCE LAST RAIN: >72 hours <72 hours
QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches
INSPECTION TEAM: ZACK KNOLL

SITE DESCRIPTION:

LOCATION (Narrative Description): 3RD ST - WEST SIDE

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: _____

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.
a. WIDTH OF WATER SURFACE (feet): _____
b. APPROXIMATE DEPTH OF WATER (feet): _____
c. APPROXIMATE FLOW VELOCITY (feet per second): _____
d. FLOW RATE (cubic feet per second) = a x b x c = _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)
ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____
COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: _____
CLARITY: CLEAR CLOUDY OPAQUE
FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: _____
DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____
VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH
STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____
BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l
pH: _____ COPPER: _____ mg/l
PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: NO FLOW

DATA SHEET FILLED OUT BY: (signature): Zack Knoll DATE: 5/29/14

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Lancaster County Conservation District

1383 Arcadia Road, Room 200 • Lancaster, Pennsylvania 17601-3149
Telephone (717) 299-5361 Ext. 5 • FAX (717) 299-9459
www.lancasterconservation.org

RECEIVED ON

MAR 14 2014

DENVER BOROUGH

To: Lancaster County Township and Borough Managers
From: Donald R. McNutt, Administrator
Date: March 12, 2014
Re: 2014/2015 Memorandum of Understanding

The following is a Memorandum of Understanding (MOU) between the Lancaster County Conservation District (LCCD) and your municipality. This MOU indicates both parties' responsibilities between our agencies. The MOU will also serve as a document to validate the linkage between your municipality and LCCD as required by the Municipal Separate Storm Sewer System (MS4) protocol. This MOU requires action by your municipal board and will remain valid through March 15, 2015. The MOU is intended to be reviewed and renewed on an annual basis and is an attempt to better serve you.

Changes to note in the 2014/2015 MOU are:

- The format of the MOU has been changed in order to assist you in a deeper understanding of the District's various programs and delegated responsibilities.
- The District will coordinate efforts with municipalities and interested parties to better determine how we can help meet municipal MS-4 requirements through our delegation responsibilities.

If your municipality would like to receive correspondence via email instead of standard mail from our E&S Department, please contact Roberta Hartz at (717) 299-5361 x 113 to be added to our email list.

From time to time, you may have other agricultural related concerns in your municipality that are *not* identified within the MOU. I have included a list of contact agencies/people that can assist you with these concerns.

If you have questions in regard to this MOU, please contact me as soon as possible at (717) 299-5361 ext 115. The District requests that you return a signed copy of the Execution page (Page 16) and Attachment A – Municipal Contact Information in the enclosed self-addressed envelope as soon as possible. **Please keep a copy for your records.**

Enclosure: MOU

**MEMORANDUM OF UNDERSTANDING
BETWEEN THE
LANCASTER COUNTY CONSERVATION DISTRICT
AND**

DENVER BOROUGH

WHEREAS, the Lancaster County Conservation District, hereafter referred to as "LCCD", and DENVER BOROUGH, hereafter referred to as Municipality, have common areas of responsibility in serving the citizens of DENVER BOROUGH and

WHEREAS, there are common areas of work that require communication and support of each of these parties to the other party, and

WHEREAS, the District and the Municipality desire to formalize their interactions in relation to common programs and responsibilities, and

WHEREAS, this Memorandum of Understanding will serve as a foundation for a cooperative and mutually beneficial working relationship between the District and the Municipality,

NOW THEREFORE, the parties agree to jointly enter into this Memorandum of Understanding. The Memorandum of Understanding has six component parts as listed herein:

- I. **Erosion & Sediment Pollution Control/NPDES for Stormwater Discharges Associated with Construction Activities**
- II. **Chapter 105- Dam Safety & Waterway Management**
- III. **NPDES Municipal Separate Storm Sewer Systems (MS-4 – NPDES Permit PAG-13)**
- IV. **Agricultural Related Activities (Manure Management & Erosion Control)**
 - A. **Plain Sect Outreach**
- V. **Education and Outreach**
 - A. **Watershed Program**
 - B. **Education Program**
 - C. **Ombudsman Program**

I. EROSION AND SEDIMENT POLLUTION CONTROL
&
NPDES for Stormwater Discharges Associated with Construction Activities

Purpose: Erosion and the resulting deposition of sediment in our waterways is the primary pollutant by volume of our streams. Minimizing erosion and sediment pollution of our streams requires initiatives at the federal, state, county and local municipal levels of government. The purpose of this Memorandum of Understanding (MOU) is to serve as a joint commitment to control accelerated erosion and to prevent sediment pollution to the waters of the Commonwealth, which may result from the conduct of earth disturbance activities. This MOU also serves as a basis for stating the role of each party in appropriately updating and administering appropriate Ordinances of the municipality in relation to Erosion and Sediment Pollution Control.

A. District Responsibilities: In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities and within the scope of its Delegation Agreement with PA DEP, administer and implement the Commonwealth's Erosion and Sediment and Stormwater Control (Chapter 102 and Chapter 92- NPDES) Programs:

1. RECORDS, RESOURCES, MATERIALS AND DOCUMENTS

- a. Provide to the Municipality a schedule of plan review fees and sufficient quantities of all necessary forms. The LCCD will promptly notify the municipality of any change in the plan review fee schedule and provide updated forms and educational materials in a timely manner.
- b. Upon request, provide all applicants with a DEP Erosion and Sediment Pollution Control Program Manual, National Pollutant Discharge Elimination System (NPDES) permit applications, and related forms, worksheets, checklists and all other forms and documents necessary to successfully prepare an E&S plan and/or NPDES permit application for discharge of stormwater from construction activities.
- c. Provide the municipality with a year-end summary of NPDES and Erosion and Sediment Pollution Control activities within the municipality. The summary is intended to inform the municipality of activities and document activities for municipal MS4 permit requirements. The report is titled "Annual MS-4 Supplemental Report for *(Name of Municipality)*". Information requested in addition to the provided report is subject to a fee, per the fee schedule in Attachment.
- d. Serve as a repository for all erosion and sediment control plans (E&S) plans, permit applications, plan and permit reviews, complaints, inspection reports, correspondence and other materials and documents concerning the conduct of earth disturbance activities permitted under the municipal ordinance. All such information shall be contained in a dedicated filing system, which shall be available for inspection by municipal officials at any time.
- e. The LCCD will maintain information and materials on its website related to NPDES permitting and the E&S program. Municipalities may provide links to the LCCD website from municipal websites. This activity provides additional outreach and satisfies relevant MS4 requirements.
- f. The LCCD shall maintain a filing system, in accordance with DEP's Records Retention Policy, that may be available for municipal official review.

2. PLAN REVIEWS AND PERMITTING

- a. Receive all applications and ESCP plans required by NPDES permitting regulations and complete administrative and technical reviews within time frames established by DEP.
- b. Receive all E&S plans required by municipal ordinance or submitted voluntarily, and complete reviews of the plans within time frames established by the LCCD.
- c. Within 10 calendar days of a review action, the LCCD will forward to the municipality, applicant and/or responsible party:
 1. Notice of NPDES permit decisions including permit and plan approvals and renewals, deficiency letters, denials and withdrawals.
 2. Notice of E&S plan decisions where NPDES permits are not required including approvals and deficiency letters.

3. INSPECTIONS

- a. The LCCD will inspect earth disturbance activities to ensure that the approval, implementation and maintenance of the E&S plan and E&S practices are in compliance with the NPDES program and Chapter 102 regulations.
- b. Inspections will be performed:
 1. At a minimum, in compliance with DEP inspection schedules for permitted projects
 2. At the request of the municipality
 3. Within 10 calendar days of receipt, in response to a complaint from the municipality or the public.
 4. Routinely, as time, workload, or staffing resources may allow
- c. Within 10 calendar days of completion the LCCD will forward to the municipality and applicant or responsible party:
 1. Inspection reports resulting from complaints investigations and other inspections
- d. Initiate enforcement actions within the scope of the delegation agreement between the LCCD and the PA DEP.

4. MUNICIPAL ASSISTANCE

- a. The LCCD will assist the municipality with environmental problems, permit applications and resource management issues within the scope of the LCCD's role under the NPDES and Chapter 102 program. The LCCD will enlist assistance from cooperating agencies when appropriate.
- b. The LCCD will provide an invitation to the municipality to all appropriate educational events.

c. At the request of the municipality, the LCCD will review appropriate sections of municipal stormwater management and subdivision and land development ordinances and make recommendations for consistency with current Chapter 102 regulations and NPDES permit requirements.

d. MEETINGS

1. The LCCD will invite the municipality to all scheduled pre-application meetings. Where the LCCD is not the entity organizing the meeting, the LCCD will recommend to the meeting organizer that the municipality be invited. Attendance and choice of representative is at the discretion of the municipality.
2. LCCD staff, at the request of the municipality, will meet with municipal representatives to provide information or to discuss issues related to NPDES permitting and Chapter 102 regulations.
3. LCCD staff, where appropriate, will notify the municipality of any site meetings related to inspections, violations or complaints and invite the municipality to attend these meetings.

B. Municipal Responsibilities: In carrying out the intent of this memorandum, the municipality shall:

1. RESOURCES AND INFORMATION

- a. Inform those involved with earth disturbance activities of any Erosion and Sediment Pollution Control and NPDES permitting requirements involving municipal ordinances.
- b. Retain a sufficient quantity of the application form for E&S plans and issue such information to all proposed earth disturbance projects that require review and approval in accordance with the provisions of the municipal ordinance. The municipality shall provide instructions as necessary to have the plans submitted to the LCCD.
- c. Distribute education information about the LCCD's programs and provide contact information to the public for the LCCD.
- d. Retain all correspondence from the LCCD including copies of inspection reports, permit authorizations, denials and withdrawals, notices of violation; E&S plan approvals and other correspondence needed by the municipality for MS4 permit documentation or other municipal purposes.

2. NOTICE AND REFERRAL TO THE DISTRICT

- a. Forward complaints involving earth disturbance activities to the LCCD within 10 calendar days of receipt for inspection.
- b. Forward all questions related to the preparation of E&S plans and NPDES permit applications to the LCCD.
- c. Notify the LCCD of the receipt of a building permit application involving earth disturbance of one acre or more within five (5) working days of receipt. **(Required under 25 PA Code §102.42)**
- d. Forward to the LCCD an Act 167 consistency letter to confirm that projects meet the intent of the municipality's stormwater ordinance, if covered under an Act 167 ordinance.

- e. Forward to the LCCD copies of municipal engineer review letters when comments pertain to the E&S plans, stormwater management plans, and/or NPDES applications.
- f. Coordinate pre-application meetings with the LCCD whenever possible.
- g. Complete **Attachment A**, contained in this MOU, to better facilitate communications between the municipality and the LCCD.

3. MUNICIPAL APPROVALS AND ACTIONS

- a. Before issuing any permits or approvals, with the exception of local stormwater approvals, the municipality will require evidence of an issued Individual NPDES permit, authorized General NPDES permit or approved E&S permit if required, or an approved E&S plan where municipal regulations require an approved E&S plan where NPDES or E&S permits are not required. Per Section 102.43, municipalities may not issue building or other permits to applicants proposing earth disturbance activities requiring a permit under Chapter 102.
- b. Where violations of Chapter 102 or NPDES permitting regulations are discovered, the municipality will cooperate with the LCCD to document and resolve the violations. Cooperation may entail providing access or copies of approved subdivision or land development plans, issued permits, review comments, revocation of municipal permits and other reasonable measures legally and practically available to the municipality.
- c. Encourage the preservation and responsible use of all of Lancaster County's natural resources.

II. Chapter 105- Dam Safety & Waterway Management

Purpose: Pennsylvania's Chapter 105 program regulates the waterways and wetlands of the Commonwealth. Chapter 105 establishes the thresholds for permitting requirements for encroachment or obstruction activities to jurisdictional waters and wetlands. The regulations also specify for requirements related to dam and floodway activities. This section of the MOU establishes the delegation authority for the Chapter 105 program given to the LCCD by PA DEP.

A. District Responsibilities: In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities and within the scope of its Delegation Agreement with PA DEP, administer and implement the Commonwealth's Chapter 105 program.

1. RECORDS, RESOURCES, MATERIALS & DOCUMENTS:

- a. Provide to the Municipality a schedule of Chapter 105 application fees and sufficient quantities of all necessary forms. The LCCD will promptly notify the municipality of any changes in the application fees or regulations.
- b. Serve as a repository for all Chapter 105 General Permit applications and associated E&S plans, inspection reports, complaint information, and other materials and documents concerning the conduct of encroachment and obstruction activities related to the Chapter 105 program.
- c. The LCCD will maintain information and materials on its website related to the Chapter 105 program. Municipalities are encouraged to provide the link to the LCCD website on their own municipal website.
- d. The LCCD will maintain a filing system, in accordance with DEP's Records Retention Policy, that may be available for municipal review.

2. CHAPTER 105 GENERAL PERMIT REVIEW & PERMIT ACKNOWLEDGEMENT:

- a. Receive all Chapter 105 General Permit #'s 1, 2, 3, 4, 5, 6, 7, 8 and 9 applications and corresponding fee application for review. Applications will be processed in the timeframes established by DEP.
- b. Within 10 calendar days of permit acknowledgement, forward notice of permit use to the municipality.

3. MUNICIPAL ASSISTANCE

- a. The LCCD will assist the municipality with environmental problems, permit applications and resource management issues within the scope and resources of the LCCD's role under the Chapter 105 program. The LCCD will enlist assistance from cooperating agencies when appropriate.
- b. The LCCD will provide an invitation to the municipality to all appropriate educational events.

c. Meetings:

1. The LCCD will invite the municipality to all scheduled pre-application meetings. Where the LCCD is not the entity organizing the meeting, the LCCD will recommend to the meeting organizer that the municipality be invited. Attendance and choice of representative is at the discretion of the municipality.
2. LCCD staff, at the request of the municipality, will meet with municipal representatives to provide information or to discuss issues related to the Chapter 105 regulations.
3. LCCD staff, where appropriate, will notify the municipality of any site meetings related to inspections, violations or complaints and invite the municipality to attend these meetings.

4. MUNICIPAL RESPONSIBILITIES:

- a. Refer residents to the LCCD when they have questions on permitting or earth moving activities related to streams, wetlands, ponds, springs or other waters regulated under Chapter 105.
- b. Distribute fact sheets and other educational materials provided by the LCCD.
- c. Retain copies of all correspondence from the LCCD pertaining to the Chapter 105 program for municipal purposes.
- d. Forward any complaints related to the Chapter 105 program to the LCCD within 10 calendar days of receipt.

III. NPDES Municipal Separate Storm Sewer Systems (MS-4 – NPDES Permit PAG-13)

Purpose Many municipalities in Lancaster County and the County itself are subject to NPDES permit requirements for Municipal Separate Storm Sewer Systems (MS4). The purpose of this agreement is to coordinate, where possible and desirable, the activities of the municipalities and the county associated with MS4 permit requirements. While not all requirements lend themselves to coordination, several of the requirements are such that coordination will result in decreased compliance cost and greater efficiency for both the municipality and county. The following details the municipal and LCCD responsibilities by Minimum Control Measure (MCM)

MCM 1 – PUBLIC EDUCATION AND OUTREACH

District Responsibilities In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities:

- a. Distribute an educational publication to developers, contractors, farmers and other stakeholders in Lancaster County, once per permit year at minimum.
- b. Maintain on the LCCD website, information related to stormwater regulations, educational materials and resources. It is recommended that Municipalities provide a link from the municipal website, if available, to the LCCD website.
- c. Annually, no later than 30 days after the end of the permit year, provide a summary to each regulated municipality of the above activities and any other educational activities conducted by the LCCD that would be applicable for MS4 permit compliance. Where possible, copies of the educational materials, the dates distributed and a summary or list of those the material was distributed to will be included in the summary.

Municipal Responsibilities In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- a. Annually, no later than 30 days prior to the end of the permit year, provide a summary to the LCCD of the use and or distribution of educational posters.
- b. Where practical and applicable, notify the LCCD at least 15 calendar days in advance of municipal public outreach events where the LCCD could play a role in providing public outreach.

MCM 2 – PUBLIC PARTICIPATION

District Responsibilities: In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- a. Notify regulated municipalities of public participation events, as appropriate 30 days prior to the event.

Municipal Responsibilities: In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- a. Notify the LCCD of public participation events, as appropriate, at least 30 days prior to the event.

MCM 4 – CONSTRUCTION SITE STORMWATER MANAGEMENT

District Responsibilities: In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities:

- a. Meet all of its responsibilities listed in the E&S section of this MOU.
- b. Annually, no later than 30 days after the end of the permit year, provide a summary to each regulated municipality of LCCD activities conducted in the municipality. The summary will include:
 1. The number of sites inspected and the number of inspections conducted.
 2. The number of complaints received, the number of inspections conducted in response to complaints, and the number of complaints referred to other parties.
 3. The number of enforcement actions taken.
 4. The number of NPDES permits issued.
 5. The number of E&S plans reviewed.
 6. A list of NPDES permits issued with the date of issuance, expirations and permit number.

Municipal Responsibilities: In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- a. The municipality will meet all of its responsibilities listed in the E&S section of this MOU.
- b. Retain all correspondence from the LCCD including copies of inspection reports, permit authorizations, notices of violation, E&S plan approvals and other correspondence needed by the municipality for MS4 documentation purposes.
- c. Annually provide the LCCD with a list of contacts, their company, address, email and phone number, as to where the municipality would like copies of correspondences sent.
- d. Notify the LCCD as to when the MS-4 Annual Reports are due and when the permit period ends, no less than 90 days prior to the due date of the report. The LCCD cannot guarantee delivery of the MS-4 Report component if notification is given less than 90 days.
- e. Provide copies of ordinances related to stormwater management, erosion and sediment control and illicit discharges. The municipality will provide the LCCD with copies of any revised ordinances within 30 days of adoption.

IV. AGRICULTURAL RELATED ACTIVITIES (MANURE MANAGEMENT & EROSION CONTROL)

Purpose: To conserve the agricultural resources of Lancaster County, by educating local municipalities and the public. This document encompasses but is not limited to, Nutrient Management, erosion control on farms, and compliance related topics.

District Responsibilities: In carrying out the intent of this memorandum, the LCCD is a clearing house of information relating to agricultural farming. The following items are available to municipalities across Lancaster County.

A. Administer the State's Act 38 program, also known as the Nutrient Management Law. LCCD staff reviews nutrient management plans, conducts onsite yearly status reviews relating to nutrient application. These plans are developed on an animal density calculation. Any operation that has over 2.0 Animal Equivalent Units (AEU's)/Acre, is required to have an approved Act 38 Nutrient Management Plan.

B. The Commonwealth also requires farmers to have a Manure Management Plan (Chapter 91.36), developed for every farm that produces or applies manure on their ground, no limit on size or scope of operation. Once farm size reaches certain thresholds based on livestock, further requirement for nutrient management may be required (such as Act 38 or CAFO). These plans must be available upon request for review from the landowner/operator on site, but are not required to be submitted for review or approval.

C. Erosion and Sediment Control on farming operations.

1. The LCCD will oversee 25 PA Code Chapter 102.4(a) (Erosion & Sediment Control) relating to agriculture operations. Chapter 102.4 requires all farming operations that disturb over 5,000 sq. ft. to have a Conservation Plan or Ag E&S plan developed and implemented. This also includes no-till as an earth disturbing practice. These plans must be available upon request for review from the landowner/operator on site, but are not required to be submitted for review or approval.

D. The LCCD will offer Technical Assistance for farming operations within the county. This technical assistance can be used by the farming landowner/operator to help with the implementation of BMPs found within their Conservations Plans. When needed, for BMP implementation, a reviewed design packet will accompany, along with spot inspections of construction implementation, and certification.

E. Conduct complaint investigations regarding nutrient and sediment pollution events. (See Attachment B)

F. When applicable, provide guidance on conservation planning, within the Bio-Solids Program.

G. Provide the LCCD wide fee schedule, which includes fees pertinent to agricultural operations.

H. Provide the municipality with a reasonable quantity of related resource materials at the request of the municipality.

Municipal Responsibilities: In carrying out the intent of this memorandum, within the limits of its capabilities and available resources, the municipality shall:

- A. Forward to the LCCD (Ag Compliance Coordinator), any agricultural complaint relating to, but not limited to: Nutrient pollution, and sediment pollution.
- B. The LCCD highly recommends that the municipality require development of these plans before building permits for agricultural operations are approved. The municipality should not release permits to agricultural operations, until those landowners can produce a Nutrient or Manure Management Plan AND Conservation, or Ag E&S Plan.
- C. Make available to the public any educational materials provided by the LCCD.

A. Plain Sect Outreach

Purpose: The LCCD dedicates an Ag staff person as the 'Plain Sect' Outreach Coordinator. This person has experience working with the 'Plain Sect' community and is available to meet with municipal representatives to provide information related to conservation issues within the 'Plain Sect' community. This staff person is available to meet with individual 'Plain Sect' farmers and can serve as a resource person for any municipal sponsored informational meeting for the agriculture community.

District Responsibilities:

- A. Provide assistance to the 'Plain Sect' community by informing the community on agricultural regulatory requirements and best management farming practices.
- B. Refer farmers to the appropriate Agricultural Technician within the LCCD for technical guidance and planning.
- C. Provide assistance to municipalities when they need support in dealing with the Plain Sect.

Municipal Responsibilities:

- A. Be aware that the Plain Sect Outreach Coordinator position exists and is available for assistance.
- B. Refer Plain Sect farmers to the LCCD for assistance, when appropriate.

V. Education & Outreach

Purpose: The mission of the LCCD is to promote stewardship of the land, water, and other natural resources; to make all citizens aware of the interrelationships between human activities and the natural environment; to provide assistance for current efforts in natural resource conservation; and to develop

and implement programs which promote the stewardship of natural resources; while enlisting and coordinating help from public and private sources in accomplishing this mission. The education departments of the LCCD serve as a beginning point for many of our goals. Educating the public about our county's natural resources is a primary goal. Through education we can protect, preserve and promote the mission of the LCCD.

A. WATERSHED PROGRAM

Purpose: The LCCD's Watershed Program goals are to educate, create and foster grassroots volunteer watershed efforts, water quality monitor, and be a resource on all things water related in Lancaster County. The Watershed Coordinator for the LCCD should be used as a resource tool by community members, businesses, schools, and especially municipalities. Items the Watershed Program can deal with include, but are not limited to, stream water quality, wetlands, pond management, stormwater education, groundwater recharge, volunteer conservation efforts, and many additional issues. One of the ultimate goals of the watershed program is to get local streams off the state's list of impaired waterways. This goal can be accomplished through combined efforts from the LCCD, surrounding landowners, businesses, and the municipality. This MOU outlines general areas of cooperation between both parties.

District Responsibilities: In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities:

- A. Help to keep all municipalities informed of local watershed associations/group activities within their jurisdiction. The types of activities these organizations conduct can assist municipalities in their MS4 requirements. (i.e. public education and public participation)
- B. Provide the municipality with any volunteer water monitoring data that may be gathered for streams within your municipal boundary. All of this data can be found on the Lancaster County Watersheds website, www.lancasterwatersheds.org, under the volunteer monitoring data tab.
- C. Provide copies of resource and educational materials the LCCD may create. Limited amounts of such copies will be provided at no charge. For larger quantities, the LCCD will provide copies in a format, where practical, suitable for producing copies or at cost. (i.e. stormwater management, riparian buffers, floodplains, groundwater recharge, water conservation, backyard conservation, and other natural resource issues.)
- D. Maintain a Lancaster County Watershed website (www.lancasterwatersheds.org) that provides current and useful local, regional, and statewide water resources that municipalities can use. (i.e. local watershed plans, list of volunteer watershed groups, stormwater action plans, local TMDL plans, electronic versions of educational publications, and a host of other useful tools.)
- E. Assist the municipality with watershed or water quality/quantity issues and permit applications that fall within the LCCD's area of expertise. The LCCD will enlist the services of cooperating agencies when necessary.
- F. Provide the municipality with watershed technical training opportunities and points of contact for LCCD programs.
- G. Notify municipalities of public participation events, as appropriate 30 days prior to the event.

Municipal Responsibilities: In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- A. Be an active participant in local volunteer watershed groups as they devise ways to educate, restore, or improve the local watershed within your municipality.
- B. Inform the LCCD of natural resource issues especially those that are water related.
- C. Where practical and applicable, notify the LCCD at least 30 calendar days in advance of municipal public outreach events where the LCCD could play a role in providing public outreach.
- D. Cooperate with the LCCD on studies, pilot projects or surveys related to water resource conservation within the municipality.

It is mutually agreed within the limits of abilities and resources:

- A. Both parties will provide for the mutual sharing of information.
- B. Both parties will supply each other with available maps, geographic information system and computer aided drafting files, printed material, photos/slides, video and displays pertaining to pertinent programs.
- C. Both parties will work on projects mutually benefiting the LCCD and the municipality.

B. Education Program

Purpose The purpose of this agreement is to define educational programs provided by the LCCD and available to the municipalities and the county. The mission of the LCCD is the stewardship of land, water, and other natural resources. The LCCD administers and participates in a variety of programs to protect and promote the wise use of natural resources.

District Responsibilities: In carrying out the intent of this memorandum, the LCCD shall, within the limits of its capabilities:

- A. Develop and present lessons and programs designed to address the PA Department of Education Environment and Ecology Standards for teachers, students, community organizations, watershed organizations, and the public within municipalities.
- B. Publish and distribute educational materials for teachers, students, and the public.
- C. Provide educational materials requested by municipalities for schools or public outreach.

LCCD Education Program Links

- www.lancasterconservation.org
- www.lancasterwatersheds.org

Municipal Responsibilities In carrying out the intent of this memorandum, the municipality shall, within the limits of its capabilities:

- A. Notify the Conservation LCCD when possible and applicable of municipal public outreach activities or events where the LCCD could be of assistance in providing educational presentations or materials.
- B. Notify the Conservation LCCD of public participation events, as appropriate.
- C. Post educational materials or programs available from the LCCD, as appropriate.

C. Agricultural Ombudsman Program

Purpose: The PA Agricultural Ombudsman Program handles public relations, education and conflict management related to agriculture. The Program offers statewide liaison services to communities on issues affecting agriculture, land use, environment and planning. We focus on pro-active education, but we have re-active responsibilities, too. The Agricultural Ombudsman is not an advocate for any particular party, but seeks to achieve a satisfactory resolution to disputes through training and education. The Lancaster and Blair County Conservation Districts house the two Ombudsman positions for Pennsylvania. Shelly Dehoff serves in Lancaster.

District Responsibilities:

- A. Serve as an intermediary between agricultural producers and municipalities, Conservation Districts and regulatory authorities, and to assist producers in navigating applications and permit and plan review processes to ensure the producer is treated fairly and expeditiously in that process, while ensuring municipalities, Districts and regulatory agencies that the producer has met all the applicable requirements.
- B. Provide assistance to help municipal officials prepare for meetings expected to attract significant public interest or concern. Sample policies are available for municipalities to review and consider using to ensure an orderly, productive meeting that allows all parties involved to give their input.
- C. Inform municipalities and residents about current farming practices and help dispel myths about modern agriculture.
- D. Provide educational materials to help address public concerns about agricultural operations.

Municipal Responsibilities:

- A. Contact the Conservation District seeking services of the Agricultural Ombudsman to assist with conflict management, resulting from the interface of production agriculture and suburban/urban constituents.

- B. Contact the Conservation District seeking services of the Agricultural Ombudsman to assist with educational input or non-legal advice regarding impacts on agriculture and the potential for farmer/resident conflicts because of what is currently written or proposed in a municipal ordinance.**

- C. Direct residents to contact the Agricultural Ombudsman when residents are experiencing fly concerns, odor management concerns or other concerns generated by agricultural activities.**

EXECUTION

This Memorandum of Understanding shall become effective only after it has been adopted by vote of the governing bodies of both parties. Signatures must be those of a member of the governing body authorized to sign for the governing body.

This Memorandum of Understanding may be terminated by either party for any reason. Termination of this Memorandum of Understanding must be by certified mail. Termination shall become effective 30 days after receipt of the notice of termination.

This Memorandum of Understanding shall be reviewed periodically by either or both parties and may be amended by mutual consent of both parties.

With the execution of this Memorandum of Understanding any previous Memorandum of Understandings between the Municipality and the District shall be invalid.

LANCASTER COUNTY CONSERVATION DISTRICT

By: Frank R Burkhart
Title: Chairman
Date: March 12, 2014

DENVER BOROUGH

By: [Signature]
Title: Borough Council President
Date: March 31, 2014

(SIGN AND RETURN THIS PAGE ALONG WITH THE NEXT PAGE, ATTACHMENT A)

March 12, 2014

ATTACHMENT A- Municipal Contact Information

Please complete the entire form. Contact information will be used by the LCCD to communicate with your municipal officials throughout the year.

Municipal Information

Municipal Manager: Michael Hession

Zoning Officer: George Whetsel

Road Master: George Whetsel

Municipality Mailing Address:
501 Main Street
Denver, PA 17517

Phone Number 717-336-2831

Manager's email address: MHession@denverboro.net

Municipal Engineer Information

Municipal Engineer (Name): Farley Fry

Engineer's Email Address: Ffry@hanovereng.com

Engineering Firm: Hanover Engineering Associates, Inc.

Firm Mailing Address: 20-C Snyder Lane

Ephrata, PA 17522

MS-4/167 Information

Who should the MS-4 Report be mailed to (Name): Michael Hession

Mailing Address: 501 Main Street, Denver, PA 17517

Engineering Firm: Hanover Engineering Associates, Inc.

Email Address: MHession@denverboro.net

Phone Number: 717-336-2831

MS-4 Permit Period (Beginning Date/End Date) March 10 through March 9

MS-4 Information Requested by Date: March 31

ACT 167 Adopted (Date): February 9, 2004 New Ordinance - April 14, 2014

ATTACHMENT B- Common Complaint Contacts List

What the Lancaster County Conservation District is Responsible for:

1) Biosolids Application to Farmland Complaints

Kevin Seibert, Agriculture Compliance Coordinator
(717) 299-5361 Ext. 125
(If unavailable, see "Other Organizations")

2) Excessive Soil Erosion from Ag Operations

Kevin Seibert, Agricultural Compliance Coordinator
(717) 299-5361, Ext. 125

3) Excessive Soil Erosion from Construction Sites

Nate Kurtz, E&S Program Manager
(717) 299-5361, Ext. 141

4) Manure Complaints

Kevin Seibert, Agriculture Compliance Coordinator
(717) 299-5361, Ext. 125
(If unavailable, see "Other Organizations")

5) Act 38 Nutrient Management Law Compliance Complaints

Jeff Hill, Agriculture Program Manager
(717) 299-5361, Ext. 143

6) Fly Related Complaints

Shelly Dehoff
Pennsylvania Agriculture Ombudsman Program
(717) 299-5361 x149
(717) 880-0848
shelly.dehoff@gmail.com
OR
Kevin Seibert, Agriculture Compliance Coordinator
(717) 299-5361 Ext. 125

What Other Organizations are Responsible for:

Stormwater Complaints (Vary from case to case)

1. Local (Borough or Township)
2. Lancaster County Planning Commission
Dean Severson (717) 299-8333
3. Pennsylvania Department of Transportation
(717) 299-7621

Invasive Species Complaints (plant or insects)

PA Dept of Agriculture Region VI Office
717-772-5209

Dead Animal (Mortality) Disposal Complaints

PA Dept of Agriculture Region VI Office
Joyce McLaughlin (717) 783-8300
Fax: 717-787-1868

Pesticide Application Complaints

PA Dept of Agriculture Region VI Office
Joe Uran (717) 772-5212
Hypersensitivity Registry Forms
Dona McCorry (717) 787-4392

Stream & Wetland Encroachment Complaints

PA Dept of Environmental Protection

Jeff Minski (717) 705-4709

Biosolids Application to Farmland Complaints

PA Dept of Environmental Protection
Eric Laur, Soil Scientist
(717) 507-4773

Manure or Other Contaminant Complaints

PA Dept of Environmental Protection
Deborah Miller (717) 705-4780
e-mail -- debomiller@state.pa.us
And/Or
PA Fish and Boat Commission
Lancaster Co. Office (Litz) (717) 626-0228

Manure Odor Complaints

PA Dept of Environmental Protection
Jeff Minski
717-705-4709
OR
State Conservation Commission
Karl Diamond
570-836-2181 x 120

Date Received _____
 Date Notified Municipality that request can/cannot be fulfilled: _____
 Person Contacted: _____

ATTACHMENT C

**Lancaster County Conservation District
 Fee for Services Schedule/Request for Information
 Municipal MS-4 Report Assistance**

The Lancaster County Conservation District charges a fee for services provided to municipalities that will assist them with compiling information for their MS-4 Annual Report. The fee is required because information is being requested that is above and beyond what is provided by the District free of charge, as outlined in the Memorandum of Understanding for the current year.

SECTION 1: CONTACT INFORMATION

Municipality		Date of Request	
Person in Charge of Compiling the MS-4 Report			
Company/Firm			
Phone Number			
Email Address			
Mailing Address			
Date Information is Requested By			
Municipal Contact			
Phone Number			
Email Address			
Mailing Address			

SECTION 2: REQUEST FOR INFORMATION:

Outline, in detail, what additional information your municipality is requesting beyond the MS-4 report already supplied. Your municipality will be invoiced at a rate of \$75 per hour for the work requested. Payment will be due to the LCCD within 30 days of delivery of the requested information. You will be notified within seven (7) business days whether or not your request can be fulfilled. If so, the LCCD will deliver the requested information within 30 days of the date of request.



Lancaster County Conservation District
1383 Arcadia Road, Room 200 • Lancaster, Pennsylvania 17601-3149
Telephone (717) 299-5361 Ext. 5 • FAX (717) 299-9459
www.lancasterconservation.org

RECEIVED ON
JAN 28 2015
DENVER BOROUGH

Memo

To: Denver Borough Municipal Officials
From: Lancaster County Conservation District- Erosion & Sediment Control Department
Date: January 26, 2015
Re: Summary of Activities for the Chapter 102 and NPDES Programs for Denver Borough

Municipal Officials:

In response to requirements set forth by your MS-4 Permit and through your MOU with our office, the Lancaster County Conservation District is providing a report of activities for the 2014 calendar year. The following information is being provided for your use.

Total of:

E&S Plans Reviewed	5
General Permits filed	1
Individual Permits filed	0
Complaints received	0
Inspections performed.....	2
Enforcement Actions Taken	0

If you need additional information, you may contact the E&S Department at (717) 299-5361 ext 5.

Sincerely,

A handwritten signature in black ink that reads "Nathaniel Kurtz".

Nathaniel Kurtz
E & S Department Manager

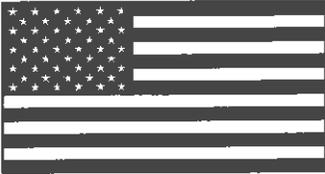


DENVER EXPRESS

THE DENVER BOROUGH NEWSLETTER

A QUARTERLY PUBLICATION FOR THE RESIDENTS OF DENVER BOROUGH

2014 Denver Memorial Day Service



On Monday, May 26, 2014, the Denver area will celebrate **Memorial Day** with our annual parade and services in the Denver

Memorial Park. The Memorial Day Parade will start at 9:00 a.m. at the Denver Fire Company Hall located at North 4th Street and Locust Street. The Centerport Band will again lead the march with any other group that would like to fall in line. As last year, a short service of tribute will take place alongside the cemetery at North 4th Street with a special hymn dedicated to the veterans buried there. A representative from the Orioles Woman's Club will place a floral tribute on the grave of a veteran representing all veterans buried in our cemeteries.

Upon conclusion of this abbreviated service, the parade will resume on North 4th Street to Walnut Street, and then turn west on Walnut Street to the bandstand in the Denver Memorial Park for the balance of the service. John Palm will lead the service and present the speaker.

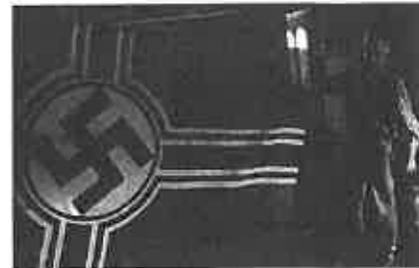
This year Denver is honored by having a member of the greatest generation speak of his traumatic and heroic escape on December 17, 1944 from the Malmedy Massacre at the beginning of the Battle of the Bulge. **Mr. Harold Billow** a member of the Battery B of the 285th Field Artillery Observation Battalion escaped the massacre by "playing dead" while the Nazi's shot any survivors they found. Mr. Billow's story is a riveting story of survival. All who hear this story will know why this generation has become known as the "Greatest!"

The procession will then move to the Memorial to hear the "Roll of Honor" and "Salute the Dead" with the rifle squad of the Reinholds VFW Honor Guard. Representatives from the Boy Scouts will place

a cross for each veteran whose life was taken in the service of their country.

The Memorial Day Service will again involve the participation of local youth with patriotic displays such as bicycles or floats decorated in an appropriate manner to celebrate the support of our veterans.

Please join us to show our support, respect, and dedication for those that have given the ultimate sacrifice.



Mr. Harold Billow, survivor of the Malmedy Massacre and featured speaker for Denver's 2014 Memorial Day Service.

Pennsylvania Turnpike Commission User Survey



The Pennsylvania Turnpike Commission is inviting residents to join their new PA Turnpike Traveler Advisory Panel, an online research community that will allow the PA Turnpike Commission to gain feedback from customers concerning their infrastructure, services, and key initiatives. The Panel will be comprised of 4,000 customers who will volunteer to participate in periodic online surveys. Volunteers will earn rewards for their participation.

The members of the research community will be surveyed periodically on any number of issues such as road conditions, customer service, toll rates, and safety. For additional information concerning this initiative and to volunteer please use the following link: www.paturndpike.com/TurnpikeTAP.

2014 Denver Community Pool

The Denver Community Pool will open for the 2014 season on Memorial Day Weekend, May 24th, 25th, and 26th. The Pool also will be open during the weekend of May 31st and June 1st. Beginning Friday, June 6th, the Pool will be open daily through Sunday, August 24th.

The Borough is happy to announce that Pool rates and membership fees will remain the same as last year. Please note, the last time Borough Council raised the Pool rates was prior to the 2008 season. A copy of the flier detailing the 2014 Pool schedule and the membership fees and rates can be accessed on the Borough of Denver's website at www.denverboro.net. Membership passes for the 2014 season are on sale now at the Municipal Building.

In 2014, the Borough will contract with the Ephrata Recreation Center for the 11th consecutive year to manage the Denver Community Pool. The Borough also will contract with Patty McCafferty to operate the Pool Snack Bar for the second consecutive year. The Snack Bar menu will include tasty items such as hot dogs, hamburgers, walking tacos, BBQ Sandwiches, nachos, soft pretzels, and assorted candy, ice cream, and popsicles.

During the 2014 pool season, the Adamstown YMCA will provide summer swim lessons for the tenth (10th) consecutive year at the Denver Pool. Registrations for the swim lessons can be obtained at the Denver Borough Municipal Building and the Adamstown YMCA.

Enclosed is a copy of the 2014 Pool Rates and Fees and a Membership Application form.



Denver Memorial Park and Playground Facility Rental Fee Schedule

The facilities below are located in the Denver Memorial Park and Playground and may be rented by the general public for picnics, parties, events, and gatherings:



#1 Kitchen

- * Rent is \$100.00/day. Security deposit is \$50.00.
- * Seats approximately 130 people.
- * Includes refrigerators, stove, sink, and ample outlets.



Pavilion #2

- * Rent is \$60.00/day. Security deposit is \$25.00.
- * Seats approximately 56 people. Size is 21' X 42'.
- * Includes fireplace, 2 rows of fixed tables, charcoal grills, and minimum outlets.



Pavilion #3

- * Rent is \$70.00/day. Security deposit is \$25.00.
- * Seats approximately 160 people. Size is 33' X 57'.
- * Includes 20 tables and ample outlets.



Pavilion #4

- * Rent is \$50.00/day. Security deposit is \$25.00.
- * Seats approximately 64 people. Size is 21' X 42'.
- * Includes 8 tables and ample outlets.

Contact Mike Grant at 717-336-6231 to reserve the kitchen, pavilions, and stage.



Recreation Center

- * Rent is \$100.00/day. Security deposit is \$50.00.
- * Facility is fully air conditioned.

Contact Barb at K-B Gymnastics (717-203-2612) to reserve the Recreation Center.

2014 Denver Community Pool Rates



	Resident Rates			Non-Resident Rates		
	Until 6/9/14	6/10/14 - 7/2/14	7/3/14 and After	Until 6/9/14	6/10/14 - 7/2/14	7/3/14 and After
Family	\$145.00	\$155.00	\$115.00	\$170.00	\$180.00	\$145.00
Adult	\$ 85.00	\$ 90.00	\$ 75.00	\$100.00	\$110.00	\$ 90.00
Senior	\$ 50.00	\$ 55.00	\$ 35.00	\$ 60.00	\$ 65.00	\$ 45.00
Student	\$ 50.00	\$ 55.00	\$ 35.00	\$ 60.00	\$ 65.00	\$ 45.00
Pre-K	\$ 20.00	\$ 20.00	\$ 20.00	\$ 25.00	\$ 25.00	\$ 25.00

Daily Rates

Pre-Kindergarten	\$2.00
Senior Citizens	\$4.00
Students	\$4.00
Adults	\$7.00

After 5:00 p.m. (Volleyball)

Pre-Kindergarten	\$1.00
Senior Citizens	\$2.00
Students	\$2.00
Adults	\$4.00

Daily Group Rates (Minimum of 20 people pre-scheduled)

Pre-Kindergarten	\$1.00
Senior Citizens	\$2.00
Students	\$2.00
Adults	\$5.00

Cocalico Care Center/Kiddie Corner Day Care Rates

	Resident Rates			Non-Resident Rates		
	Until 6/9/14	6/10/14 - 7/2/14	7/3/14 and After	Until 6/9/14	6/10/14 - 7/2/14	7/3/14 and After
Adult	\$ 70.00	\$ 75.00	\$ 55.00	\$ 80.00	\$ 85.00	\$ 65.00
Student	\$ 45.00	\$ 50.00	\$ 30.00	\$ 55.00	\$ 60.00	\$ 40.00
Pre-K	\$ 20.00	\$ 20.00	\$ 20.00	\$ 25.00	\$ 25.00	\$ 25.00

Denver Community Pool Schedule (Weather Permitting)

Opening Weekend – May 24th, 25th, and 26th.

Also weekend – May 31st and June 1st.

Beginning Friday, June 6th the Pool will be open daily through Sunday, August 24th.

Denver Swim Team Meets – June 14th, June 17th, June 24th, July 10th, and July 15th.

The Pool will close early on these days for the Denver Swim Team Meets.

Denver Community Pool Hours (Weather Permitting) & Phone – 717- 336-6106

Monday through Saturday	-	12:30 p.m. to 8:00 p.m.
Sunday	-	1:00 p.m. to 8:00 p.m.

Pool memberships will be sold exclusively at the Denver Borough Municipal Building and not at the Denver Community Pool. Office hours are Monday through Friday from 8:00 a.m. to 5:00 p.m..

Lancaster County Housing and Redevelopment Authorities' Home Repair Program

The Home Repair Program provides assistance to low and moderate income homeowners in Lancaster County to complete necessary repairs to their homes. Our professional staff will help you address safety issues and comply with local building codes. Eligibility for the program is based on income, credit and available equity in your home.

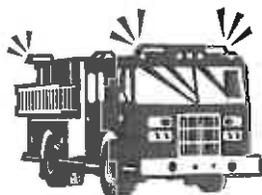
What are the Benefits to You?

- **Free Home Analysis** - Their trained staff will analyze your home and work with you to determine what needs to be repaired.
- **Free Monitoring of the Construction Work** - The Authority will help you to monitor the construction work being done and will help you solve any problems that may arise during the construction process.
- **You Choose a Contractor** - You can use a contractor you already know or you can choose a contractor from our list of qualified contractors who have completed projects similar to yours.
- **No Monthly Payments** - You are not required to make any monthly payments while you own and reside in your home. The loan will be repaid when you sell your property or transfer ownership to someone else.
- **No Interest Loan** - You do not have to pay any interest on the loan.

For More Information Please Contact:

RHONDA LAPP
Program Coordinator
Lancaster County Housing and
Redevelopment Authorities
717-394-0793 ext. 226
rlapp@lchra.com

Denver Fire Company Saves \$6.5 Million in Property Loss



The 2013 annual report for Denver Volunteer Fire Company shows \$6,524,900.00 was the value of property saved during emergency calls throughout the year. Property lost was valued at \$138,800.00.

Denver firefighters responded to 214 calls for service during 2013. An average of 11 firefighters responded to each call. The average response time for a truck to respond to a call was 3.01 minutes.

Volunteer firefighters contributed 1,659 hours for all emergency calls. In addition, many hours are spent in training, fundraising, and administrative work.

The general fund for operating expenses in 2013 was \$142,600.00. Funds were also set aside for major property improvements and savings towards future replacement of fire trucks. Residents and businesses contributed 36%, or \$51,305.00 of the money needed by the Denver Fire Company to operate in 2013.

All hours spent by the Denver Fire Company members are volunteer hours. No member of the company receives compensation for any fire company work.

Zoning and Code Information

Non-Commercial Swimming Pool Permit

As a reminder, the Borough requires a permit for all non-commercial swimming pools with a water depth greater than 24-inches. Prior to purchasing and installing a non-commercial swimming pool on your property, residents are encouraged to contact the Municipal Building at 717-336-2831 to discuss the permit requirements, location, and fencing requirements, if any.



Residential burning permits.

A residential burning permit may be obtained from the Chief of the Fire Department which shall authorize the burning of fallen trees or other large amounts of landscape debris in a metal container with a cover screen to control fly ash or in an approved outdoor fireplace. All burning authorized by a residential burning permit shall be attended by a responsible adult, be at least 15 feet away from any structure, be commenced after 7:00 a.m. and be extinguished by dusk. Burning shall not be permitted under wind conditions which might result in spreading fire.

Fire Pits/Chimeras

Open burning shall be allowed without prior notification to the Code Enforcement Officer for recreational fires which is defined as an outdoor fire utilized to cook food for human consumption.

Denver Borough's New Storm Water Management Ordinance and Regulations

On Monday, April 28, 2014, Denver Borough Council adopted Ordinance No. 618 – An Ordinance To Amend the Denver Borough Code of Ordinances To Insert A New Chapter 161, Stormwater Management, To Implement The Lancaster County Act 167 Stormwater Management Plan. The Department of Environmental Protection (DEP), through their enforcement of the Pennsylvania Storm Water Management Act, requires each municipality within the Lancaster County Stormwater Management Plan to enact an ordinance to be consistent with the requirements of the Plan by May 7, 2014.

Ordinance No. 618 replaces the existing stormwater management ordinance that was adopted in 2004 and sets forth comprehensive regulations for storm water management in the Borough. When adding additional impervious surface to their property, property owners will be required to submit the appropriate application, pay the required fee, and meet the regulations stipulated in the Borough's Stormwater Ordinance. Impervious surface is defined as surfaces which prevent the infiltration of water into the ground. All structures, buildings, parking areas, driveways, roads, streets, sidewalks, decks and any areas of concrete, asphalt, packed stone, and compacted soil shall be considered impervious surface if they prevent infiltration.

Effective immediately, if a property owner or resident is adding any additional impervious surface to their property (i.e. adding a shed, driveway, patio, pavers/concrete, new sidewalk, pool deck (in-ground), addition, etc.), prior to obtaining the required Zoning Permit and/or Construction Code Permit, the Borough staff will check the individual property file to determine the amount of impervious surface added to that property since 2004.

If the new project and the cumulative amount of impervious surface added since 2004 is less than 1,000 square feet, then the applicant will be required to submit a **Stormwater Management Exemption Application** with the Zoning and/or Construction Permit Application. The applicant also will be required to pay the Stormwater Exemption Application fee of \$50.00 along with the Zoning and/or Construction Permit fees.

If the new impervious surface plus the existing impervious surface is between 1,001 square feet and 2,000 square feet, then the applicant will be required to submit a **Stormwater Management Small Project Design/Application** with the Zoning and/or Construction Permit Applications. The applicant will be required to pay the Stormwater Small Project Design/Application fee of \$100.00 along with the Zoning and/or Construction Permit fees. The applicant also will be required to submit a Plan Escrow Fee of \$200.00 which will be used to offset costs to review the application and to inspect the proposed improvements.



Any projects which will total between 2,001 and 5,000 square feet of impervious surface will be required to submit a Minor Stormwater Management Plan Application. The installation of 5,001 square feet or greater will be required to submit a Major Stormwater Management Plan. The preparation of these two (2) applications will require the use of an engineer.

The Borough staff is developing a permit guide for residents to use when you are planning an improvement to your property that will increase the amount of impervious surface on that property. Once complete, the guide will be uploaded to the Borough's website (www.denverboro.net).

DENVER BOROUGH
501 Main Street
Denver, PA 17517

PRSRST STD
U.S. POSTAGE PAID
EPHRATA, PA
PERMIT NO. 120

CR001
Postal Patron
Denver, PA 17517



DENVER EXPRESS

THE DENVER BOROUGH NEWSLETTER

A QUARTERLY PUBLICATION FOR THE RESIDENTS OF DENVER BOROUGH

2014 DENVER FAIR TREASURE THE MEMORIES



The 2014 Denver Fair will be held at the **Denver Memorial Park and Playground** from **Tuesday, September 9th through Saturday, September 13th**.

The Denver Fair officially opens on Tuesday, September 9th with the Swine Show and the Baked Good Auctions at 6:00 p.m. Opening Ceremonies begin at 7:30 p.m. at the stage when we will find out which one (1) of the 10 girls will take the title of "Miss Denver Fair 2014". Don't forget to bring your family and friends because on Tuesday we also have an **OPENING NIGHT RIDE** special event – ride all the rides for \$15.00 per person from 6:00 p.m. until closing.

Wednesday's highlights include the Dairy Beef Show at 3:00 p.m. and the Beef Show at 5:00 p.m. Wednesday also is Buddy Night at the Fair – from 6:00 p.m. until closing two (2) people can ride for the price of one (1).

Thursday brings another fun-filled day with the Goat Show starting at 3:00 p.m. followed by the Sheep Show. Another day for a great ride special with a Family Night Ride Special (ride all the rides for \$18.00 per person) from 6:00 p.m. until closing. Also at 6:00 p.m. the free entertainment continues by celebrating the "MUSIC IN OUR SCHOOLS". Come to the stage and see what our local up and coming musical talented students can do and envision what they may become. This will include various groups of music highlights from the Cocalico School District Music Department.

Friday is the 13th Annual Kiddie Day – (where from 10:00 a.m. until 1:00 p.m. the Fair is for children 6 years of age and under). Visit with the East Cocalico

Police, enjoy story time with Ms. Carol from Adamstown Area Library, play J-I-N-G-O (kid's Bingo), take a leap in the Castle Moon Bounce, meet the Denver Fire Company, and watch **INSANITY FACTOR** with show times of 10:30 a.m., 11:30 a.m., and 12:30 p.m.

Saturday's highlights include a Pet Show at 9:00 a.m.; the Baby Parade (registration required) at about 10:15 a.m.; the ever-popular Pedal Power Tractor Pull at noon; and family ride specials beginning at 1:00 p.m. The day also includes local celebrity Hot Wings and Jell-O eating contests. On Saturday evening free entertainment continues at 7:30 p.m. with the ever popular Flamin' Dick and the Hot Rods taking the stage until around 9:00 p.m. At 10:00 p.m. - **FIREWORKS**; celebrating a great Fair week – spectacular colors and sounds. Don't miss a moment.

For more information, visit us at www.thedenverfair.com or call the Denver Fair Office at (717) 336-4072.



Denver Fair – Temporary Traffic Changes

Listed below are temporary traffic pattern changes scheduled for the week of the 2014 Denver Fair:

- * North 8th Street will be one-way north from Main Street to Pine Street;
- * Pine Street will be one-way east from North 8th Street to North 6th Street;
- * Spruce Street will be one-way west from North 6th Street to North 9th Street; and
- * North 9th Street will be one-way from Spruce Street to Locust Street.

The temporary changes will become effective beginning on **Monday, September 8, 2014 and ending on Monday, September 15, 2014**. The Borough's Public Works Department will install and remove the Denver Fair Committee's temporary directional signs as noted above.

2014 Denver Memorial Park Ash Tree Removal Project



In April, 2014, during the Arbor Day Celebration at the Denver Park, Richard Hartlieb, a forester with the Department of Conservation and Natural Resources (DCNR), asked to meet to discuss the Emerald Ash Borer and its impacts on Ash trees.

The Emerald Ash Borer feeds exclusively on ash trees in North America. Tens of millions of ash trees have been lost to this pest, which usually kills ash trees within three (3) to four (4) years of infestation. Adult bugs are metallic green and about ½ inch long. They travel by flight about 2 miles per week. Adults leave a D-shaped exit hole in the bark when they emerge in the spring. Larvae feed on the inner bark of ash trees and disrupt the tree's ability to transport water and nutrients. Their feeding eventually girdles and kills branches and entire trees. Woodpeckers like to eat Emerald Ash Borer larvae; heavy woodpecker damage on Ash trees may be a sign of infestation.

The Emerald Ash Borer was first identified in North America in southeastern Michigan in 2002. It arrived in the United States on wood packing material carried in cargo ships or airplanes originating in Asia. In the years since it has spread to 20 states including Pennsylvania. The Emerald Ash Borer has been found in Ash trees as close as Bernville, Berks County. The spread of the Borer has followed the interstates and are found along rest-stops and yard waste dumps. Currently Ash trees are being impacted in Western Pennsylvania and in State College in Centre County.

On Tuesday, June 17th, representatives from the Borough, the Park Association, and the Denver Recreation Board met with Mr. Hartlieb to inspect and inventory the Ash trees located in the Denver Memorial Park in an attempt to salvage the trees before the emerald ash borer infests and kills the trees. Based on the inspection, Mr. Hartlieb identified 68 saw timber size trees (67 White Ash and one (1) Red Maple). There also were 12 additional Ash trees that have been marked with a yellow "X" indicating that these trees should be removed. Lastly the

inspection noted an additional 15 Ash trees that have been marked with an orange dot that need be removed from the Park. The total number of trees projected to be removed from the Park is 95 trees.



The Borough prepared a Specification and Agreement to include the removal of the 95 trees and the 95 tree stumps. The Borough received a quote from Kellenberger Excavating, LLC in the amount of \$5,365.00 for the removal of all 95 trees, tops, branches, etc., and a quote of \$3,409.00 for the removal of the stumps. The total cost to the Borough will be \$8,774.00.

On Wednesday, August 6th, during their regularly scheduled meeting, the Denver Park Association approved a series of motions to recommend the removal of the 95 trees and tree stumps and to split the cost for the removal with the Borough, up to a maximum investment of \$4,500.00.

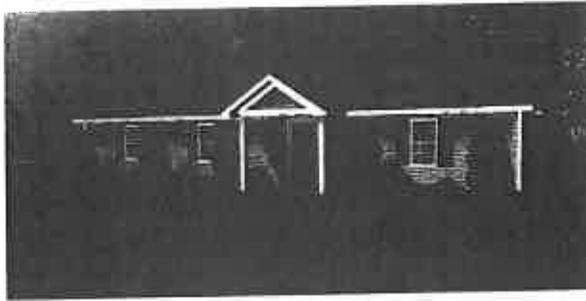
Denver Borough Council, during their August 11, 2014 meeting, also approved a motion to authorize the President or Vice President of Borough Council to execute the 2014 Denver Memorial Park Ash Tree Removal Agreement between the Borough of Denver and Kellenberger Excavating, LLC, at a total cost of \$8,774.00.

The tree removal project is scheduled to occur between October 27, 2014 and December 19, 2014. Following the removal of the trees and stumps, the Borough will complete the final landscape/grading part of the project and, in the spring of 2015, the Borough will seed the area for grass. In the interim, the Borough will be working with DCNR to develop a planting plan and schedule to replace the trees in April, 2015. This planning will include the preparation of a TreeVitalize Grant Application for funding to purchase approximately 60 trees to re-plant at the Park.

Although the Ash Tree Removal Project will have a significant impact on the aesthetics of the Denver Memorial Park, the Borough is approaching this as a great opportunity for the Denver community to come together to address the long-term viability of the Denver Park.

SHOBER FAMILY SCOUT CABIN

Denver Boy Scout Troop 32



We are asking for Community support to build a cabin for the Denver scouting program. The original building was destroyed during Tropical Storm Lee on September 8, 2011.

Brian and Joyce Shober will match up to \$50,000.00 in donations. The Denver Lions Club, Boy Scout Troop 32 Charter Organization, has created an account specifically for these donations. We will need an additional \$40,000.00 to complete this project.

The goal is to begin this building project in April of 2015. Can you help us reach this goal with a donation?

If you are interested in making a donation to this project, please complete and detach the bottom portion of this letter and send it with your check made payable to the **Denver Lions Club Boy Scout Cabin Fund** to the following address:

Denver Lions Club Boy Scout Cabin Fund
C/O Fulton Bank
335 Main Street
Denver, PA 17517

----- cut here -----

Name(s): _____

Address: _____

Address: _____

What Rank will you be?

_____	\$25.00	Scouter
_____	\$50.00	Tenderfoot
_____	\$100.00	Second Class
_____	\$250.00	First Class
_____	\$350.00	Star
_____	\$500.00	Life
_____	\$1,000.00	Eagle
_____	\$1,500.00	Eagle Palm
_____	_____	Other

By being proactive, the Borough and the Park Association are taking steps to protect the community and to minimize costs associated with the tree removal. Also, we will have the opportunity to redevelop the Denver Park by diversifying the tree stock in the Park to avoid future issues like this; by planting trees in ideal locations and to avoid conflicts with pavilions and other recreation programs and activities; and by creating a community project where Denver residents, businesses, and service organizations can unite to create a wonderful park for the future.

What can you do – simple, get involved. Residents and friends of the Denver Memorial Park will have the opportunity to volunteer to assist with the proposed community tree planting project that will be scheduled for April, 2015. Planting 60 trees is a lot of work and requires the help of many people from the community. If you are unable to help plant the trees, there will be an opportunity for residents, businesses, and organizations to make a donation to assist with the costs of purchasing new trees, mulch, planting stakes, etc.

Please continue to follow the Borough's website and future editions of the Denver Express newsletter for additional details concerning this upcoming community project. In the interim, if you have any questions, do not hesitate to contact the Denver Borough Municipal Building at 336-2831.



Join Cub Scouts! Fun With A Purpose!

Denver Pack 132 invites boys in grades 1 through 5 to join Cub Scouting. Scouting is a family oriented organization that develops character, leadership, communication skills, and good citizenship. If you would like to learn more about Cub Scouts contact:

Mike Althouse, Cubmaster
Denvercubmaster132@yahoo.com
717-335-3518

2014 Borough of Denver Leaf Collection Schedule



Leaf collection services will be provided for Borough residents on Mondays and Thursdays for a ten (10) week period during the months of October, November, and December.

The Public Works Department will collect leaves starting on the northern end of the Borough on Mondays and Thursday of each week. During the peak leaf season, the Department will start collecting leaves on the northern end of the Borough on Mondays and finish the Borough by Tuesday. The Borough will again start collecting leaves on the northern end of the Borough on Thursday and finish the Borough by Friday.

Listed below is the proposed **2014 Leaf Collection Schedule:**

October 6th and October 9th
 October 13th and October 16th
 October 20th and October 23rd
 October 27th and October 30th
 November 3rd and November 6th
 November 10th and November 13th
 November 17th and November 20th
 November 24th
 December 1st and December 4th
 December 8th and December 11th

Residents are asked to rake their leaves into the gutter in front of their homes and at least 15-feet from a vehicle to be collected by the Borough.

2014 Upcoming Fall Events in Denver

- * The 11th Annual Caroline Schannauer Pumpkin Painting Contest will be held on Saturday, October 11, 2014, from 9:00 a.m. to 10:30 a.m. The contest will be located at the Courtyard Café located at 349 Main Street.
- * The Denver Lions Club Halloween Parade is scheduled for Monday, October 27, 2014, at the Denver Elementary School. Registration begins at 6:00 p.m., judging at 6:30 p.m. and the parade starts at 7:00 p.m.
- * **TRICK OR TREAT NIGHT** in the Borough will be held on Friday, October 31, 2014, from 6:00 p.m. to 8:00 p.m.

News from PA State Rep. Mindy Fee...

State Representative Mindy Fee's Denver office is located inside the Denver Borough Building. Office hours are: Monday, Wednesday and Friday 9:00 a.m. to 4:30 p.m.

Are you a Veteran and have questions? A representative from the American Legion visits Representative Fee's office in Denver the Second Wednesday of every month from 9:00 a.m. to 3:00 p.m. to offer assistance to local veterans. Appointments are preferred.

- Compensation and pension claims.
- Education benefits.
- Enrollment in the VA healthcare system.
- Burial and survival benefits.
- Obtaining military personnel and medical records.

Representative Fee will be hosting a Concealed Carry Seminar on Thursday October 2nd at 6:30 pm at the Schoeneck Fire Hall. There is no cost to attend and due to limited seating, **reservations are required.**

If you have questions on any state related matters or would like to participate in any of the events, please call the office at: 717-336-2199.

! Remember to Vote! - Tuesday, November 4th

The 2014 General Election is schedule on Tuesday, November 4, 2014. Polls will be open from 7:00 a.m. to 8:00 p.m. Voting in the Borough will be held at the following location:

**Denver Borough Municipal Building
501 Main Street
Denver, PA 17517**

DENVER BOROUGH
501 Main Street
Denver, PA 17517

Denver Lion's Club Community Porch Sale



The Denver Lions Club will sponsor their annual Community Porch Sale on **Saturday, September 6, 2014, beginning at 7:00 a.m.** This event is a fundraising project for the Lions Club and participants are asked to make a \$5.00 contribution to the Denver Lions Club.

Denver Borough Planning Commission Vacancy

The Borough of Denver currently has a vacant position available on the Denver Borough Planning Commission. The vacant term on the Planning Commission is scheduled to expire on December 31, 2018.



The Planning Commission is an advisory board to the Borough Council concerning matters of planning, zoning, and subdivision control. All applications for subdivisions and land development plans as well as all ordinances or ordinance amendments affecting zoning or subdivision in the Borough must be reviewed by the Planning Commission.

The Planning Commission includes a total of five (5) members each serving staggered five (5) year terms. The Commission meets on the second Tuesday of every month at 7:00 p.m. at the Municipal Building.

If you are interested in being considered to serve the Borough on the Planning Commission, please submit to Michael Hession, Borough Manager, 501 Main Street, Denver, PA, a letter summarizing your interests in municipal planning as well as a summary of your experience in the planning related field.

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DENVER EXPRESS

THE DENVER BOROUGH NEWSLETTER

A QUARTERLY PUBLICATION FOR THE RESIDENTS OF DENVER BOROUGH

Denver's Annual Tree Lighting Ceremony



The community is invited to officially begin the holiday season as the Borough of Denver sponsors the **2014 Holiday Tree Lighting Ceremony** on Sunday, **December 7, 2014** starting at 4:30 p.m. at the Municipal Building.

The 2014 Tree Lighting Ceremony will begin at 4:30 p.m., free refreshments including hot dogs, oranges, cookies, hot cocoa, and drinks will be provided for all participants. At 4:45 p.m., the Denver Fire Company will escort Santa Claus and Ms. Denver Fair to the Municipal Building to begin the ceremony. There will be an invocation followed by a community sing of a select number of holiday carols led by Santa Claus. Ms. Denver Fair magically will activate the lights on the tree triggering the official start of the holiday season in Denver, PA.

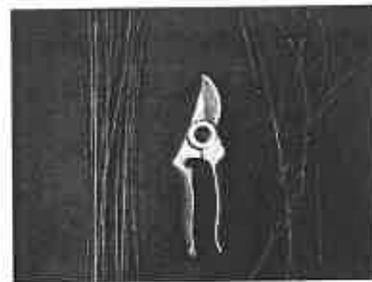
Following the tree lighting ceremony, parents and children are invited to meet with Santa Claus in the Borough Council Meeting Room for a photo opportunity (please bring your own camera). All children who meet with Santa Clause also will receive a candy cane. The Annual Tree Lighting Ceremony is a community event designed to bring the residents of the Borough together to celebrate the holiday season. Come out and enjoy the festivities with your family, friends, and neighbors as we begin a season of peace and joy in the Borough.

Borough Lot Dumping Facility – Revised Regulations and Process

On October 13, 2014, during their regularly scheduled meeting, Borough Council discussed the future of the Borough Lot facility including the Borough Lot Access Card Fee structure and the types of materials that will be permitted to be deposited at the site in the future. Borough Council reviewed the

comments that were received from the public including the willingness to pay an annual fee to continue the Borough Lot and the idea of using local farmers to dump grass clippings and dirt. Following the discussion, Borough Council approved a motion to set an annual fee of \$10.00 for the Borough Lot Access Card and to continue to accept the same materials that are currently allowed to be deposited at the Borough Lot facility.

Beginning with the first quarter 2015 water and sewer bill, the Borough will include an one-time charge of \$10.00 on that bill for every property that currently has an active Borough Lot Access Card. These bills will be mailed by February 15, 2015. Payment of the annual \$10.00 fee will be due on the same date as the water and sewer bills are due (March 15, 2015). If payment is not received as of that deadline, the existing Access Card for each property that did not pay the annual fee will be made inactive. The Access Card then will not be activated until the annual \$10.00 fee is received by the Borough. Since this activation process can be completed electronically, there will be no need to either obtain a new Access Card or to drop-off a terminated Access Card to the Borough.



In regard to the types of materials that will be permitted to be deposited at the Borough Lot, there has not been any change to these requirements. Woody yard waste as well as grass clippings, dirt, and flowers will continue to be accepted at the facility. Borough Council will continue to explore other options for grass clippings, dirt, and flowers and will address this issue again during a subsequent Borough Council Meeting in the spring of 2015. If you have any questions concerning these guidelines, please contact the Municipal Building at 717-336-2831.

2015 Denver Borough Proposed Budget

The Proposed 2015 Denver Borough Budget is on display at the Denver Borough Municipal Building and on the Borough website (www.denverboro.net) for residents to review. The Proposed 2015 Budget **does not** include a tax increase, but does include a water and sewer rate increase. Listed below is a summary of the **2015 Proposed Budget**:

Fund	Revenues	Expenses	Diff.
General	\$1,887,920	\$1,887,920	\$ 0
Water	\$ 389,590	\$ 389,590	\$ 0
Sewer	\$ 774,065	\$ 774,065	\$ 0
Economic Dev.	\$ 27,010	\$ 0	\$ 27,010
General Cap.	\$ 13,905	\$ 10,380	\$ 3,525
Water Cap.	\$ 11,010	\$ 3,275	\$ 7,735
Sewer Cap.	\$ 11,000	\$ 3,275	\$ 7,725
Liquid Fuels	\$ 86,265	\$ 86,265	\$ 0
Total	\$3,200,765	\$3,154,770	\$ 45,995

Proposed Budget Highlights

- Denver Borough's 2015 line item for police services will total \$506,500.00 which includes a cost of \$421,968.18 for contracted police services with East Cocalico Township and an allocation of \$84,531.82 for start-up costs for the proposed Cocalico Regional Police force in 2016.
- The proposed budget includes a \$0.25 per 1,000 gallon water rate increase (5.0%) for 2015 from the current \$5.00 per 1,000 gallons, with a minimum quarterly charge of \$15.00 for 3,000 gallons to \$5.25 per 1,000 gallons, with a minimum quarterly charge of \$15.75 for 3,000 gallons.
- The proposed budget also includes a \$0.50 per 1,000 gallon sewer rate increase (5.0%) for 2015 from the current \$10.00 per 1,000 gallons, with a minimum quarterly charge of \$30.00 for 3,000 gallons to \$10.50 per 1,000 gallons, with a minimum quarterly charge of \$31.50 for 3,000 gallons.

Borough residents are encouraged to review the Proposed 2015 Budget at the Municipal Building, Monday through Friday, from 8:00 a.m. to 5:00 p.m. until Monday, December 8, 2014. Borough Council will take action to officially adopt the 2015 Budget during their meeting on Monday, December 8, 2014, at 7:00 p.m.

2015 Denver Borough Projects

Listed below are a series of projects scheduled for 2015 in the Borough. These projects will be funded through a combination of Borough tax dollars, water and sewer fees, grant funding, and contributions from other private non-profit organizations.

Denver Memorial Park Tree Planting Project – Arbor Day Celebration

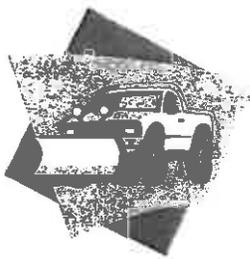


Following the removal of the Ash trees and tree stumps in the Denver Memorial Park and Playground in November/December, 2014, the Borough will complete the final landscape/grading portion of the project and, in the spring of 2015, the Borough will seed the area for grass. In the interim, the Borough has started working with DCNR to develop a planting plan and schedule to replace the Ash trees in April, 2015. This planning includes the preparation of a TreeVitalize Grant Application for funding to purchase approximately 60 trees to re-plant at the Denver Memorial Park and Playground.

The Borough will be looking for interested residents, service organizations, and friends of the Denver Memorial Park and Playground to volunteer to assist with the proposed community tree planting project that will be scheduled for Saturday, April 25, 2015. On that day, the community will celebrate Arbor Day in Denver Borough with the planting of 60 trees in the Denver Memorial Park and Playground. If you are unable to help plant the trees, there will be an opportunity for residents, businesses, and organizations to make a donation to assist with the costs of purchasing new trees, mulch, planting stakes, etc. Please continue to follow the Borough's website and future editions of the Denver Express newsletter for additional details concerning this upcoming community project.

North 4th Street Playground Redevelopment Project

The North 4th Street Playground Redevelopment Project will enhance existing recreational opportunities in the Borough by providing a fully-



Denver Borough Snow Removal Policy

The Borough of Denver's Public Works Department provides snow and ice removal services in the Borough in an area covering approximately 1.1 square miles including 15 miles of streets. These streets include state roads, secondary or feeder streets, cul-de-sacs, and paved alleys.

At the onset of a winter weather event, the Borough first will begin to apply a mixture of road salt and anti-skid material to the Borough's streets. The road salt and anti-skid application will cease when the snow reaches a depth of approximately two (2) inches with snow continuing to fall. At that time, the Borough will mobilize the snow plows to clear the streets and alleys.

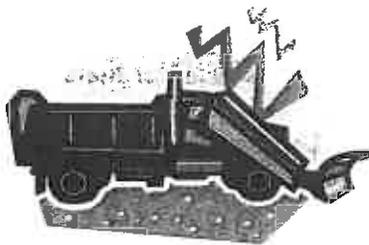
If the winter weather event is projected to be of a short duration, the snow plows will clear the entire street from curb to curb. If the winter weather event is expected to continue for several hours, the plows will clear the center of the roadways to permit emergency vehicles to travel through the Borough. Upon completion of the storm, the snow will be pushed back curb to curb on each of the streets.

The Borough uses the dump truck to plow First Priority Streets such as Main Street, South 4th Street, North 6th Street, and Monroe Street. The Borough's other two (2) trucks are used to plow Second Priority Street on the north and south sides of town (one truck either side). Following the completion of the plowing of the streets, the Borough will plow snow and ice from alleys.

The Borough uses the John Deere Backhoe to clear all cul-de-sacs, to move snow onto piles on Main Street, and to clear snow from the various parking facilities and recreational facilities. The John Deere Tractor and assorted snow blowing equipment is used to clear the Denver Fire Company driveway and apron area and all Borough maintained sidewalks, recreational areas, parking facilities, and crosswalks.

It is the Borough's intention to meet the needs of the residents and travelers in the Borough by providing safe street conditions before, during, and after a winter weather event. The Borough's goal is to provide the best service possible in the most efficient manner at the lowest cost to the taxpayers. If during or following a snow and/or ice event you notice an area that may pose a hazard, please contact the Municipal Building at 717-336-2831 or report the concern using the Borough's new website.

Snow Emergency Information



As in the past, in order to combat the hazards of snow and ice and to facilitate the safe flow of vehicles during a snow event, a snow emergency in the Borough will be declared in the event of a plowable snow (2 inches or more). The Borough will contact WGAL Channel 8 to inform residents of a snow emergency. The Borough also will use the email feature on the Borough's emergency notification system to notify properties located on a snow emergency route when the snow emergency has been declared and/or removed. If you

have not already done so, please contact the Municipal Building or visit the municipal website at www.denverboro.net and click on the “Swift 911 Notification” link at the middle of the page to provide your email contact information so that the Borough can notify you via email.

During the existence of any snow emergency, it shall be unlawful to park a motor vehicle or to allow that vehicle to remain parked on the side of any snow emergency route designated in which parking is prohibited until the snow emergency is removed. It is advised that if you live on one of the designated snow emergency streets listed below you should remove your vehicle from that street at the onset of the storm event. The following streets are designated as snow emergency routes in the Borough of Denver:

Street	Between	Parking Prohibited On
Juniper Street	North 5 th to North 6 th	Both sides
Locust Street	North 6 th to North 4 th	Both sides
Main Street	Snyder to North 8 th	Both sides
Monroe Street	North 3 rd to Snyder	Both sides
North 3 rd Street	Main to Bridge	Both sides
North 5 th Street	Turnpike to Juniper	Both sides
North 6 th Street	Main to Borough Line	Both sides
South 4 th Street	Main to Lancaster Avenue	Both sides
Walnut Street	North 3 rd to North 8 th	Both sides

As always, if you have any questions, please contact the Municipal Building at 336-2831.

Helpful Tips for the Winter Season

- During a winter weather event, if at all possible, do not park on the street.
- Wait to shovel snow from the edge of your driveway until the street is plowed the full width.
- Do not shovel, plow, or snow blow snow onto the roadway. This is illegal and can cause a dangerous situation for vehicles and pedestrians.
- Keep in mind that we are a community and during extreme situation such as a winter weather event, the whole community needs to work together to address the situation.

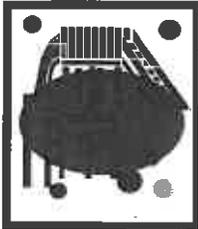
Snow and Ice Removal Reminder



Borough residents and business owners are reminded that snow and ice must be cleared from sidewalks for a path of at least 30 inches wide within 24 hours after the snow or ice has ceased to fall. As a courtesy, please also consider clearing an area around fire hydrants on your street as well as a path to your water meters.

Also, if anyone is interested in helping a senior citizen or disabled resident clear his or her sidewalk or driveway, please contact the Municipal Building at either 336-2831 or at dboro@ptd.net and leave your name and telephone number.

accessible neighborhood park that meets the needs of the adjacent residential developments; increases connections to the Little Cocalico Creek and the Bon View Linear greenway; and provides a linkage to the Main Street Business District. The project includes the installation of an accessible multi-piece playground unit for ages 5 to 12 and a playground area border and wood carpet/mulch; the development of macadam paving for an off-street handicap parking space and an accessible walkway from the sidewalk

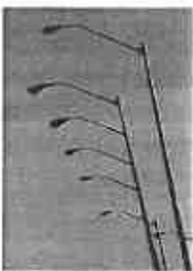


to the play area; the installation of a 95-foot long split-rail fence to delineate the playground area from the curb and cart-way on Locust Street; and related site improvements including three (3) benches, one (1) waste receptacle, two (2) bollards, and a project

acknowledgement sign. Also included in the project is the installation of one (1) rain garden and educational sign located adjacent to the walkway.

Funding for this project includes a \$40,000.00 grant from the Department of Conservation and Natural Resources (DCNR), a \$14,000 donation from the Denver Recreation Board; \$2,500.00 donation from the Cocalico Baseball Organization (CBO); a \$250.00 donation from the Denver Memorial Park Association; and a \$3,250.00 cash match from the Borough of Denver.

Denver Borough Streetlight Privatization and LED Conversion Project



Since December, 2013, the Borough has been working to purchase from PP&L the 344 streetlights located in Denver Borough. Following the purchase of the streetlight system, the Borough plans to replace the existing 344 High Pressure Sodium (HPS) streetlights with 344 Light-Emitting Diode (LED) streetlights. The new LED streetlights will provide a whiter and crisper light which will be a more cost effective and environmentally friendly. The new LED lights will use less energy, will cost the Borough less to operate, and will improve safety for motorists and pedestrians traveling in and through Denver Borough.

The purchase of the streetlight system and the conversion of the lights to LED lights has been projected to save the Borough approximately \$50,000.00 in annual streetlight costs. In 2013 the Borough engaged bond counsel to begin the process to borrow \$500,000.00 to pay for the purchase of the system and the installation of LED lights. In 2014, the Borough applied for Multimodal Grant funding for this project and received notice that we have been awarded a grant from PennDOT in the amount of \$227,405.00 for the LED streetlight project.

During a time when local governments are challenged to develop new and innovative solutions to rising costs and flat revenues, to strive for savings in both program costs and energy usage, and to lead by implementing projects that are environmentally sensitive, the Borough's LED streetlight replacement project will accomplish all these measures resulting in a savings in operating and maintenance costs; a reduction in energy usage to operate the system; a reduction in the impact on the environment, and an improvement in pedestrian and motorist safety in our community.

2015 Street Improvement Program

The Borough has budgeted \$80,785.00 in the General Fund and \$44,215.00 from the Liquid Fuels Fund for the Borough's 2015 Street Improvement Project which includes replacing 13



handicap ramps on North 5th Street between Main Street and Pine Street; seal coating approximately 78,250 square yards of streets in the various housing developments in the Borough (i.e. Old Park Village, Snyder Acres, Denver Heights, and Jefferson Circle); and crack sealing other streets throughout the Borough including the Bon View Estates development.

Borough Garage Heating System Conversion

The Borough will convert the boiler heating system in the Borough Garage from oil to natural gas in 2015. The cost for this project is expected to total \$7,000.00. It is anticipated that the savings from transitioning from oil to natural gas will pay for this project within two (2) years.

Denver Borough Municipal Christmas Tree Recycling Program



The Borough of Denver will sponsor a Municipal Christmas Tree Recycling Program for residents of the Borough. Christmas trees will be accepted free of charge at the designated area on the Borough Lot located

at Main Street and North 8th Street, from Friday, December 26, 2014 through Friday, January 16, 2015, from 8:00 a.m. to 3:30 p.m. The Borough requests that all trees deposited at the Borough Lot be free of any decorations and plastic bags/wraps. Please note, Borough residents who have purchased an Access Card for the Denver Borough Composting Facility can use their Access Card to enter the facility seven (7) days a week between 7:00 a.m. and 7:00 p.m. to recycle their Christmas Trees.

The Borough will chip and recycle the Christmas trees deposited at the Borough Lot. If you have any questions regarding the Municipal Christmas Tree Recycling Program, or if you would like to purchase an access card to the Denver Composting Facility, please contact the Denver Borough Municipal Building at 336-2831 or at Mhession@denverboro.net.

Affordable Care Act Information

Under the Affordable Care Act, uninsured people can sign up for health insurance coverage through the Health Insurance Marketplace. The open enrollment period for health insurance coverage in 2015 opened on Saturday, November 15, 2014 and closes on Sunday, February 15, 2015. According to the Healthcare.gov website, listed below are the most important dates for 2015 coverage:

- **December 15, 2014:** The last date to enroll for coverage that starts January 1, 2015.
- **December 31, 2014:** Date when all 2014 Marketplace coverage ends, no matter when you enrolled.
- **January 1, 2015:** The date 2015 coverage can start if you apply by December 15, 2014, or if you accept automatic enrollment in your 2014 plan or a similar plan.
- **February 15, 2015:** The last day to enroll in 2015 coverage. If you miss this deadline, you can't sign up for a health plan inside or outside the Marketplace for the rest of 2015. The only exception is if you qualify for a Special Enrollment Period.

For more information concerning how the Affordable Care Act affects you please visit the following website: www.healthcare.gov.



HAPPY HOLIDAYS FROM THE BOROUGH OF DENVER

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Denver, PA 17517

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Borough Compost Facility Access Card Program Update - 2015 Annual Fee -

Denver Borough Council, during their October 13, 2014 meeting, discussed the future of the Denver Borough Composting Facility including the Borough Lot Access Card Fee structure and the types of materials that will be permitted to be deposited at the site in the future. Borough Council reviewed the comments that were received from the public during the September 29, 2014 Borough Council meeting at the Denver Fire Hall including the willingness to pay an annual fee to continue the Borough Lot. Following the discussion, Borough Council approved a motion to set an annual fee of \$10.00 for the Borough Lot Access Cards and, at this time, to continue to accept the same materials that are currently allowed to be deposited at the Borough Lot facility.

Beginning with the 1st Quarter 2015 Water and Sewer Bills, which will be mailed on February 13, 2015, all Borough residents who currently have an active Borough Lot Access Card will be billed the annual \$10.00 Access Card Fee with the 1st Quarter Water and Sewer Bill. If you want your Access Card to remain active for 2015, that \$10.00 payment must be received by the Borough by **Monday, March 16, 2015**. If you decide that you no longer want to keep your Access Card active, you can pay the Water and Sewer balance and not the \$10.00 charge for the Access Card.

On Tuesday, March 17, 2015, the Borough will deactivate all Access Cards for residents who did not pay the annual \$10.00 fee. The Access Cards will remain deactivated until the cardholder pays the annual fee. Please note, at this time, all of the following rules and regulations for using the Borough Lot will remain the same:

- Only residents of the Borough of Denver who have an active "Borough Lot Access Card" may deposit grass clippings, leaves, brush, tree trimmings, and branches at the Denver Borough Composting Facility.

- The Denver Borough Composting Facility shall be open to the public according to the following schedule:

- (1) May 1st through September 30th
- 6:00 a.m. to 10:00 p.m.
- (2) October 1st through April 30th
- 7:00 a.m. to 7:00 p.m.

- Commercial and contracted landscaping companies and organizations are prohibited from depositing materials at the Denver Borough Composting Facility.

- All yard waste deposited at the Denver Borough Composting Facility must originate from within the Borough of Denver.

- Materials are required to be placed in the areas designated by the signage, i.e. Grass Clippings and Dirt; Brush, Branches, and Tree Trimmings. Signs located at the facility provide directions for the materials.

- All materials must be completely free of contaminants. No lumber, concrete, rocks, metal, plastics, plastic or rubber bags, or other contaminants are permitted under any circumstances.



During 2015, Borough Council will continue to review and explore options for the dumping of grass clippings, dirt, and flowers at the facility. If you have any questions about the annual fee or the Borough Composting Facility, please contact the Denver Municipal Building at 336-2831.

**Denver Memorial Park Restoration Project-
Arbor Day Celebration
Saturday, April 11, 2015, 9:00 a.m.**



TREE CITY USA

Mark your calendars. On Saturday, April 11, 2015, beginning at 9:00 a.m., residents of the Borough will have a once in a lifetime opportunity to rebuild and redesign the Denver Memorial Park and Playground. The Borough of Denver, in partnership with the Denver Recreation Board, the Shade Tree Commission, the Denver Park Association, and the Denver Fair Committee, will sponsor a “Denver Memorial Park Restoration Project-Arbor Day Celebration” at the Denver Memorial Park and Playground, 801 Main Street, Denver, on **Saturday, April 11, 2015, beginning at 9:00 a.m.** All members of the community interested in helping rebuild the Park are invited to attend.

The Park Restoration Project will begin with the reading of an Arbor Day Proclamation and the presentation of the Tree City USA Award to the Borough. Following the brief ceremony, a forester representative from the Department of Conservation and Natural Resources (DCNR) will provide a brief educational program illustrating the proper planting techniques for containerized trees.

The volunteers then will break into groups and visit the sites to plant the trees, install the topsoil, install the mulch, and secure the trees to the wooden stakes. The Shade Tree Commission members will assist with planting and will inspect all planting locations to make sure that proper planting techniques have been implemented.

The tree planting project includes the planting of 50 trees in the Denver Memorial Park to replace the 95 trees removed in 2014 to address the pending threat from the Emerald Ash Borer. The new trees proposed for the Denver Park include 14 different species and combine larger, canopy type trees with smaller, flowering trees. The Borough worked with representatives from DCNR to develop a planting plan for the project.

The Borough has applied for \$4,670.89 in funding from the TreeVitalize Grant Program to be used to pay for the purchase of 50 trees in the Denver

Memorial Park. As indicated above, the plantings will be completed by community volunteers under the direction of the Denver Borough Shade Tree Commission. Staff from the Borough’s Public Works Department and the Recreation Division will assist with the tree planting preparation as well as the long range maintenance and tree care. The goal of the project is to redevelop the Denver Memorial Park by diversifying the tree stock in the Park to avoid future threats such as the Emerald Ash Borer; to plant trees in ideal locations to avoid conflicts with pavilions and future recreation improvements proposed in the Denver Memorial Park Master Plan; and, to create a community project where Denver residents, businesses, and service organizations can unite to create a wonderful Park for the future.

Prior to the April 11th community event, the Shade Tree Commission will provide the Borough’s Public Works Department with the tree planting locations by marking each of the planting sites at the Denver Memorial Park. The Borough will order the trees and the trees will be delivered by the nursery and placed at a central location in the Denver Memorial Park. Representatives from Kellenberger Excavating, LLC, have agreed to volunteer for this project digging the holes for all 50 trees in the Denver Memorial Park. The Borough’s Public Works Department will deliver the trees and the appropriate number of bags of topsoil and mulch to each of the planting sites in the Park.

On Saturday, April 11th, volunteers from the Shade Tree Commission, the Denver Park Association, the Denver Fair Committee, and the Denver Recreation Board will join representatives from the Boy Scouts, the Girl Scouts, and local residents to plant and mulch the 50 trees in the Denver Memorial Park.

Other volunteers will assist with the Park cleanup by gathering sticks, twigs, and trash debris from the Park and piling debris at various locations in the Park to be picked up and either recycled or disposed of properly. As in the past, all volunteers will be treated to free hot dogs and drinks during the event. The hot dogs, rolls, and drinks will be donated to the Borough by Denver Meats, Weaver Markets, and Turkey Hill.

Please note, if you are unable to volunteer your time to help plant trees and clean up the Park on April 11th, but you still want to participate in the project, you can make a donation to the Borough of Denver to help

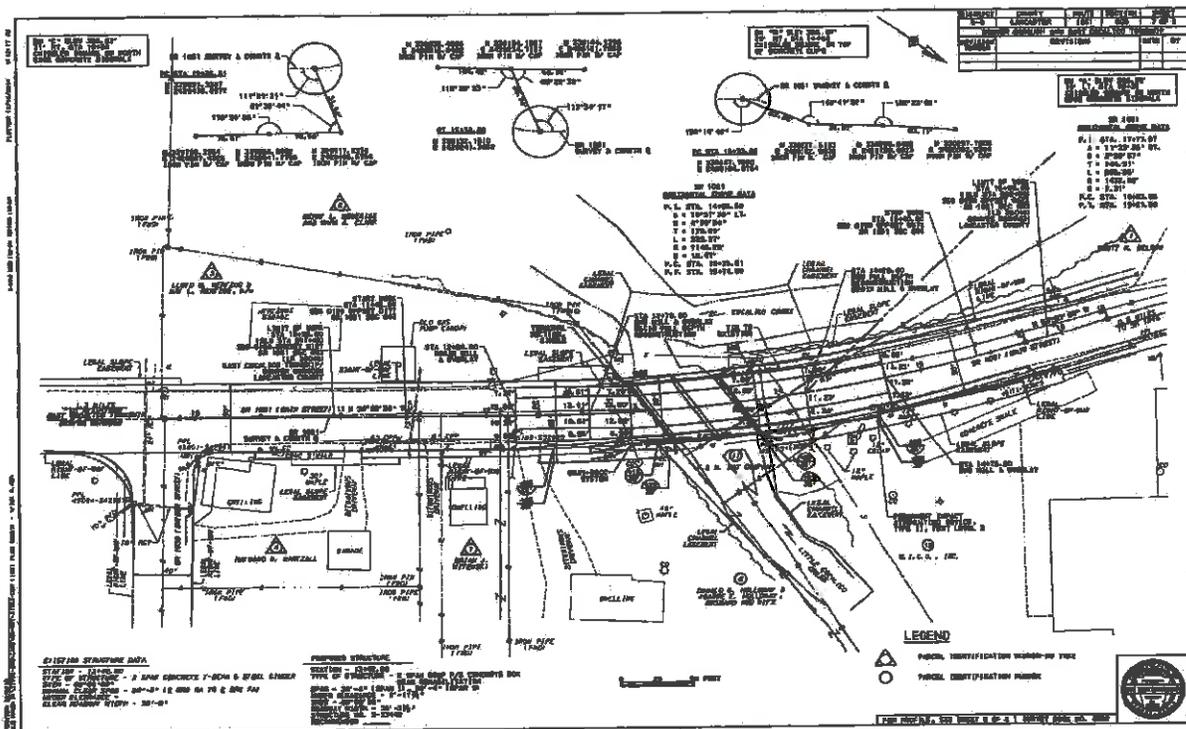
PennDOT's S.R. 1051 Bridge Rehabilitation Project

(Bridge on Main Street over the Little Cocalico Creek by Kalas Manufacturing)

The Pennsylvania Department of Transportation (PennDOT) has initiated plans for the S.R. 1051 Section 003 Bridge Rehabilitation Project (bridge on Main Street over the Little Cocalico Creek by Kalas Manufacturing). This project is a bridge rehabilitation project with only the bridge deck and beams being replaced, along with minimal roadway work. PennDOT will not widen any part of Main Street or the bridge structure as part of this project. Also, the sidewalk on the bridge will remain on the north side of the street and the bridge walls/parapets will be stamped with a form liner pattern and color designed to match the bridge design on the PennDOT Main Street Bridge located adjacent to the Denver Memorial Park and Playground.

According to representatives from PennDOT, the project is anticipated to begin in March, 2015. The Project should take only one (1) construction season to complete and is anticipated to last between four (4) and six (6) months. PennDOT has agreed to have both lanes of Main Street open to vehicle traffic prior to the 2015 Denver Fair.

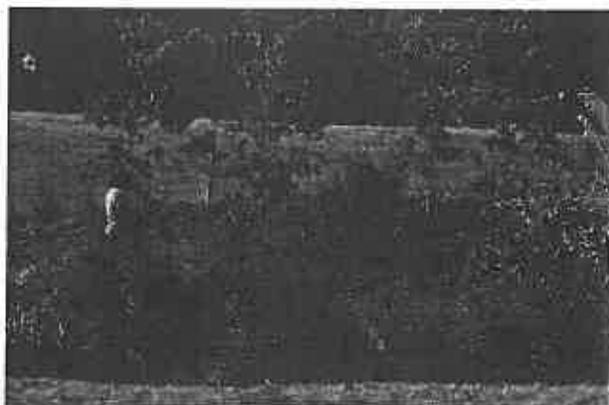
During the project, traffic on Main Street will be maintained via a temporary signal and alternating traffic pattern with one (1) lane remaining open across the bridge. Also, pedestrian access across the bridge will be provided while the eastbound lane of the bridge is under construction. Once the westbound lane of the bridge is under construction, pedestrian travel across the bridge will be restricted. Below please find a copy of the traffic plan proposal:



Denver Borough Conservation Corner

Excerpted from the "Backyard Conservation" booklet distributed by the Lancaster County Conservation District

Rain Gardens



Do you have an area of your property where a lot of storm water runoff gathers or is directed to during rain events? If so, you might have an ideal location for a rain garden. A rain garden is a specially designed area where rain water is allowed to infiltrate or soak into the ground in a more efficient manner. The garden concept comes from the fact that native trees, shrubs, and perennials are planted in this area to beautify the location. Native plants are used also because they can handle extended periods of wet and dry times this rain garden might experience. Once again the key factor in designing a backyard rain garden is location. You want

a location that water drains to, not a location where water sits for long periods of time. Soil and vegetation can play a factor in this. For more information or to figure out if your property might be ideal for a rain garden contact the Lancaster County Conservation District.

Rain Barrels

What is a rain barrel? It is simply a rainwater collection system. It allows homeowners to capture rainwater running off their roof top and store it for use when they want too, not when Mother Nature wants them to use it. The barrels can range in size, shape, color, and design, but all are designed to capture water for reuse around the home.

What can you do with rainwater you capture from your roof? Pretty much anything; from washing your car, watering your lawn, irrigating your garden, washing lawn furniture, and a host of other activities. The key to any rain barrel is location. You want to place it at the end of a downspout that receives a lot of roof runoff. Water in the barrel should not be stored for months on end, but used on a weekly basis to prevent the water from becoming stagnant and smelly. Finally, the barrel should be either taken in or disconnected during the winter months to prevent the barrel from freezing and cracking.



purchase a tree for the planting project. Below please find a donation form that you can complete and submit to the Borough by March 16, 2015, along with your check made payable to the Borough of Denver.

Denver Memorial Park Restoration Project-Arbor Day Celebration

I would like to make a donation in the amount of \$ _____ to help offset the costs to purchase and plant new trees in the Denver Memorial Park and Playground.

Name: _____

Address: _____

Telephone #: _____

Email: _____

Please attach to this form your check made payable to the Borough of Denver and mail the form and the check to:

Denver Borough
501 Main Street
Denver, PA 17517



Following the completion of the tree planting and Park clean-up projects, the Borough, together with the Park Association and the Recreation Board, will contract to have the ground surface areas of the Park that were disturbed during the tree removal process to be re-graded, fertilized, and re-

seeded with grass. Also, the hill side between the Upper Play Lot and the lower level of the Park will be re-graded with new topsoil and will be seeded with grass matting to help grass get established on the hill. This portion of the restoration project will be scheduled for mid to late April, 2015.

Once the Park is re-graded and re-seeded, the Park will be closed to vehicles until late May, 2015, in order to give the grass a chance to get established. The goal will be to re-open the entire Park to visitors and vehicles on Memorial Day weekend. We hope to see you on April 11th to help rebuild our Park.

Denver Fire Company Report



During 2014, the Denver Fire Company responded to 216 calls for service, 181 of which were emergency calls. The average time from dispatch until a truck responded to an emergency call was 3.4 minutes. An average of 13 firefighters responded to each call.

To provide this service in 2014, it cost the Denver Fire Company \$341,000.00 to operate. This includes the cost of replacing the entire roof on its building. While Denver Borough contributed \$21,250.00 toward the operating costs (and an additional \$63,750.00 for savings designated for fire truck replacement), the Fire Company relies primarily on our annual fund drive and several fund raising events to meet operating costs.

Using a calculator from the National Volunteer Fire Council, if Denver Borough had to pay for this level of fire service, it would cost residents and businesses more than \$2.5 million each year for a paid fire company. Contributions to the Denver Fire Company enable it to operate and meet community needs while also saving considerable tax dollars.

In 2014, the Denver Fire Company received the following Fund Drive donations:

- Residential: 427 residences contributed \$24,107.00
- Businesses and Professionals: 21 businesses and 4 churches contributed \$15,750.00
- Landlords: 30 landlords contributed \$2,620.00

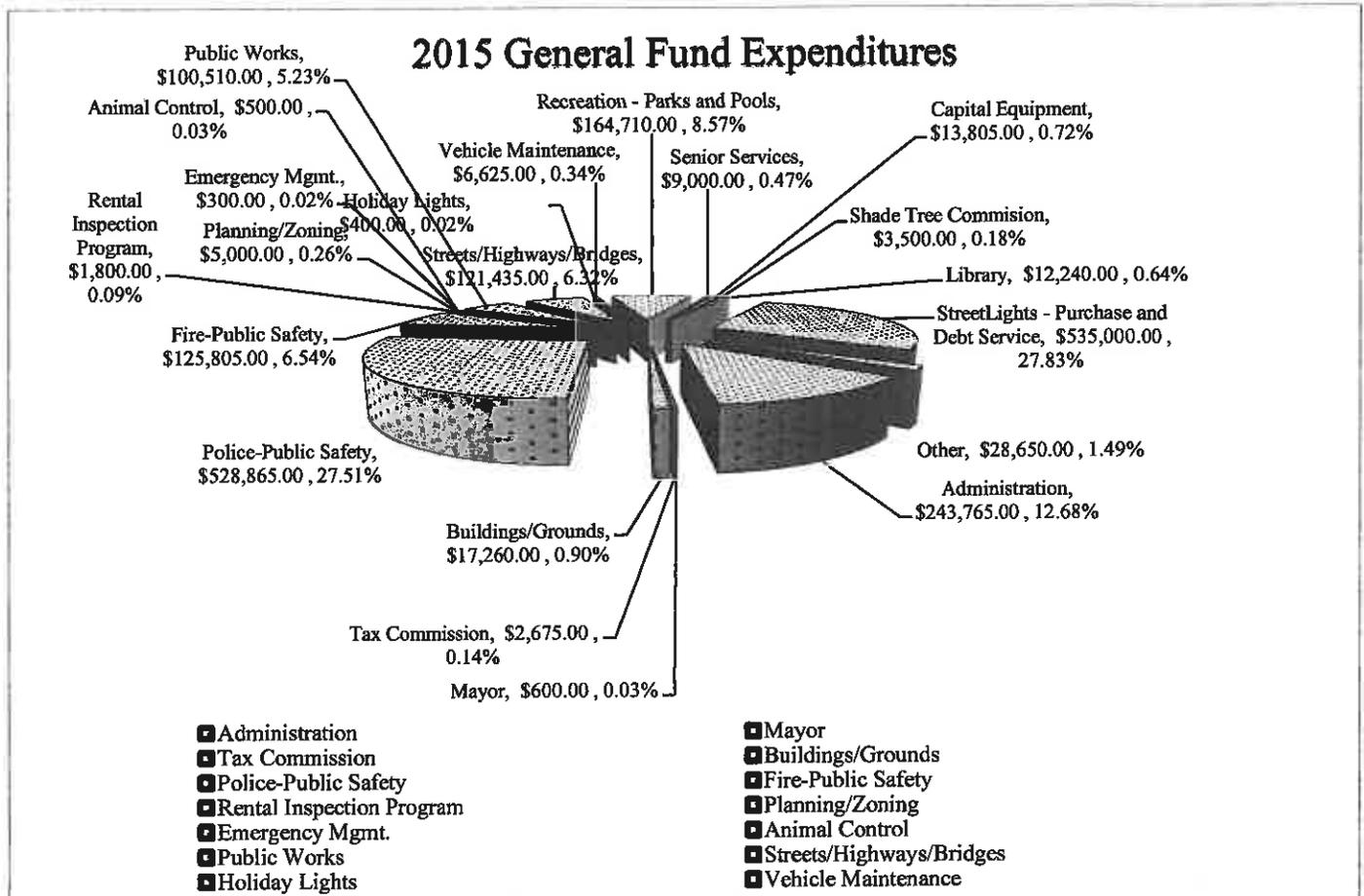
Kerry Kegerise – Country Lane Flowers

The Borough of Denver would like to recognize and thank Kerry Kegerise, owner of Country Lane Flowers, for donating flowers to the Denver Memorial Park for the Memorial Day, Veterans Day, and Christmas holidays. Mr. Kegerise has made these donations to the Denver Park for many years and continues to do so today. Thank you Mr. Kegerise for your donation and your dedication to our community.



2015 Denver Borough Budgeted General Fund Expenditures

Below please find a chart which details the proposed budgeted expenditures for the 2015 Borough General Fund Budget. As per the chart, the largest piece of the 2015 General Fund Expenditures includes \$535,000.00 (27.83% of the budget) to purchase the Borough's streetlight system, to replace the existing 344 streetlights with LED lights, and to pay the annual debt service fees for the loan; \$528,865.00 (27.51%) is budgeted for police-public safety; \$243,765.00 (10.79%) is budgeted for administration expenses including salary and wages, professional services, and all Borough insurance programs; and \$125,805.00 (6.54%) is budgeted for fire-public safety.



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