Blair County
Collaborative TMDL and Pollution Reduction Plan Addendum vol. 1

Blair County Intergovernmental Stormwater Committee

Allegheny Township
Antis Township
Bellwood Borough
Blair Township
City of Altoona
Duncansville Borough
Frankstown Township
Hollidaysburg Borough
Logan Township
Blair County

September 2017 – September 2019
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Introduction

The Blair County Intergovernmental Stormwater Committee (ISC) currently consists of 10 entities: Allegheny Township, Antis Township, Bellwood Borough, Blair Township, City of Altoona, Duncansville Borough, Frankstown Township, Hollidaysburg Borough, Logan Township, and Blair County. The ISC collaboratively constructed a combined Total Maximum Daily Load (TMDL) and Pollution Reduction Plan (PRP) in order to achieve sediment reductions to the Little Juniata, The Beaverdam Branch, and Frankstown Branch Juniata Rivers. The original plan was prepared for by the Center for Watershed Protection and was submitted in September of 2017. The methodology to create the plan was entirely consistent with the requirements provided in the Pennsylvania Department of Environmental Protection’s (PADEP’s) TMDL and PRP Instruction documents. DEP reviewed the Pollution Reduction Plan/TMDL Plan submitted in 2017 and issued approval of said Plan(s) in March of 2018.

The ISC Specifically chose not to parse or separate out the stormwater contributions from other permittees and entities in the ISC Planning area such as:

- The Pennsylvania Department of Transportation (PennDOT)
- The Pennsylvania State University-Altoona (PSU-Altoona) Campus
- The Commonwealth of PA Department of Military Affairs/Hollidaysburg Veterans Home
- The Federal James E. VanZandt Veterans Affairs (VA) Medical Center

Keeping the stormwater sediment contributions in the analysis was chosen in order to foster and support any opportunity for future collaboration with the above entities. Currently, the ISC is seeking a collaborative opportunity with PennDOT that would benefit all parties to reach pollutant reduction goals.

Effective January 1, 2019, the ISC reauthorized for a 5-year time period through 2023 with all permitted municipalities (other than those that sought and attained waivers except for Blair County) in the current NPDES MS4 permit cycle. Since the approval of the TMDL and PRP Plan, the ISC has completed select projects within the plan. With the assistance of the ISC Technical Committee, the ISC laid the groundwork for the current MS4 Permit Cycle set to end in June 2023. This includes the establishment of projects necessary to meet the TMDL/PRP Plan, prioritizing the potential projects, and establishing a budget to design/construct the proposed projects.

The ISC has formulated new proposals for PRP Projects some of which have already received funding from organizations such as Growing Greener Grant Program and National Fish & Wildlife Foundation. This TMDL and PRP Plan Addendum Vol. I has been created to seek approval of completed BMP’s that were not originally included with the 2018 approved plan. It is the intention that the original 2018 Document will be amended once a year and/or as needed. Also, provided within this addendum are prospective projects that will either be implemented due to funding received in 2018/2019 or held as a potential project for future collaboration. Since 2019, the ISC has received over $500,000 from member municipalities and will be securing over the next four years a total of $6.9 million for the completion of the projects.
identified as priority projects found in Table 1. The select projects found in Table 1 were compiled based upon cost efficiency and ownership. The priority projects will obtain the 1.4 million sediment reduction required to be met by 2023 by the Blair County Collaborative.

Table 1-Blair County Collaborative TMDL & PRP- Priority Projects

<table>
<thead>
<tr>
<th>Proposed Project</th>
<th>Municipal Location</th>
<th>Project ID</th>
<th>BMP Type</th>
<th>Proposed Load Reduction (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pleasant Valley ES</td>
<td>Logan</td>
<td>PRP_P_BR_24</td>
<td>Infiltration Basin</td>
<td>4,441</td>
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<tr>
<td>Lakemont Reservoir</td>
<td>Logan</td>
<td>PRP_P_WP_20</td>
<td>Wet Pond/Reservoir</td>
<td>544,838</td>
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<td>Brush Run, Lakemont Reservoir</td>
<td>Logan</td>
<td>PRP_P_STR_6</td>
<td>Stream Restoration</td>
<td>132,845</td>
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<td>Beaverdam Branch, BCCD Property</td>
<td>Hollidaysburg</td>
<td>PRP_P_STR_1</td>
<td>Stream Restoration</td>
<td>20,196</td>
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<td>Beaverdam Branch, Westerly Wastewater Treatment Plant</td>
<td>Allegheny</td>
<td>PRP_P_STR_4</td>
<td>Stream Restoration</td>
<td>217,668</td>
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<td>Beaverdam Branch, Knights of Columbus</td>
<td>Hollidaysburg</td>
<td>PRP_P_STR_12</td>
<td>Stream Restoration</td>
<td>8,976</td>
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<td>Beaverdam Branch, DeGol</td>
<td>Hollidaysburg</td>
<td>PRP_P_STR_2</td>
<td>Stream Restoration</td>
<td>374,748</td>
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<tr>
<td>Frankstown Branch, River Rd. (DeGol)</td>
<td>Blair</td>
<td>PRP_P_STR_7</td>
<td>Stream Restoration</td>
<td>50,714</td>
</tr>
</tbody>
</table>

Overall, the implementation of the TMDL/PRP will be dynamic in nature, and as such the ISC sought to be conservative in putting forward a wealth of potential projects. However, the ISC is not obligated to achieve any greater sediment reduction than the minimum 10% requirement established by PADEP. Table 8 shows the final sediment reduction that would occur with the addition of the new proposed BMP’s.

Table 8-Sediment Load Reduced by Proposed BMPs to Meet the Sediment Reduction Target

<table>
<thead>
<tr>
<th>Sediment Load Reduced from Approved 2017 TMDL/PRP (lb./yr.)</th>
<th>Additional Sediment Load Reductions Expected from BMP’s Included in 2019 PRP Addendum vol. 1 (lb./yr.)</th>
<th>Final Sediment Load Reduction Expected (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,268,353</td>
<td>90,357.45</td>
<td>2,358,710.45</td>
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</tbody>
</table>

The following sediment load reductions within all listed projects have been calculated using the Simplified Method proposed in Attachment C of PADEP 3/2017 DEP PRP Instructions. References used in these calculations are as follows:

1 Attachment B from 3/2017 DEP PRP Instructions; “Developed Land Loading Rates for PA Counties”,

2 6/2018 DEP BMP Effectiveness Values Table.
Section A- Public Participation

Public Participation. The ISC shall complete the following public participation measures listed below, report in the TMDL/PRP Plan Addendum Vol. 1 that each was completed and attach copies of applicable information. The ISC will:

- Make a complete copy of the TMDL/PRP Plan Addendum Vol. 1 available for public review.
- Publish, in a newspaper of general circulation in the area, a public notice containing a statement describing the plan, where it may be reviewed by the public, and the length of time that permittee will provide for the receipt of comments. The public notice must be published at least 45 days prior to the deadline for submission of the TMDL/PRP Plan Addendum Vol. 1 to DEP. Attach a copy of the public notice to the TMDL/PRP Plan Addendum Vol. 1.
  ➢ Place Public Notice here

- Accept written comments for a minimum of 30 days from the date of public notice. Attach a copy of all written comments received from the public to the TMDL/PRP Plan Addendum Vol. 1.
  ➢ Written comments go here, mention if no comments were received.

- Accept comments from any interested member of the public at a public meeting or hearing, which may include a regularly scheduled meeting of the governing body of the municipality or municipal authority that is the permittee.
  ➢ Mention if public comments were received/not received. If received attach comments here. Also attach meeting sign in sheet.

- Consider and make a record of the consideration of each timely comment received from the public during the public comment period concerning the plan, identifying any changes made to the plan in response to the comment. Attach a copy of the permittee’s record of consideration of all timely comments received in the public comment period of the TMDL/PRP Plan Addendum Vol. 1.
  ➢ State whether revisions were made to the document if comments were received.

As this TMDL/PRP Plan Addendum Vol. 1 was developed on a regional scale by the ISC(multiple MS4 permittees), the ISC implemented these public participation requirements as a joint effort with the notice of the availability of the TMDL/PRP Plan Addendum Vol. 1 and the notice of public meeting or hearing reaching the target audience groups of all permittees involved in the joint effort.
Section H- Funding Mechanisms

The Blair County ISC, did not have any formal funding mechanism available at the time of the TMDL/PRP submission in 2017, however, has since developed a financing strategy for project implementation. The Funding mechanism put in place by the ISC is to fund the design of and construct the PRP Priority Projects found in . Please consider the following information about the efforts to formalize a collaborative approach to stormwater and MS4 permitting in Blair County and to see how financing was addressed by this organization.

An informal Blair County MS4 Workgroup was started in 2012. The MS4 permittees in Blair County believed that with their overlapping school districts, news media and their interconnecting stormwater collection and conveyance systems, a collaborative effort would help all to meet their individual MS4 requirements. Initially started in response to the 2012 permit renewal requirement, the group continued to meet and eventually began discussing formalizing their organization.

In addition to 10 municipal partners, the group continues to benefit by partnering with the Blair County Conservation District. Benefits have included the conservation district’s help in meeting the Public Education and Public Participation MCM’s. Additional benefits were attained when the Conservation District was awarded funds from the National Fish and Wildlife Foundation (NFWF) in 2013 for a comprehensive set of initiatives to address stormwater pollution in the Blair County region. The Blair County Conservation District was able to provide funds to assist Blair County MS4 Workgroup members with both BMP design and implementation projects.

The 2013 NFWF grant funding targeted the Upper Juniata Watershed and the urbanized area of Altoona. The existence of the Blair County MS4 Workgroup in that targeted area was a significant benefit to not only the Blair County Conservation District’s grant request, but also to the Alliance for the Chesapeake Bay. The Alliance was also awarded NFWF funding. The Blair County MS4 Workgroup benefited from the Alliance’s funded project which offered implementation, education, and planning tools.

A significant financial planning tool was provided through the Alliance for the Chesapeake Bay’s grant project with a financing study completed by the Environmental Finance Center (EFC). The EFC was able to offer several scenarios in financing a collaborative group with financial commitments from all members. Two different approaches to financing were offered. All participants could pay the same amount, or a rated amount based on differing factors. Financing commitment calculations were suggested using several factors for each potential member municipality and the defined Urbanized Area (UA) within the municipality. The factors that could be considered included population, impervious surface cover, stream length and impaired stream length within the UA for each MS4 municipality. The EFC assumed implementation of all BMP’s identified in the 2014 TMDL/CBPRP plan prepared by the Center for Watershed Protection in their various financing scenarios.

In late 2015 when this information was presented to the group, it became clear that a significant financial commitment was needed to assure implementation of the BMP’s identified in the 2014
TMDL/CBPRP – a financial commitment that all potential members did not have available in their next year’s budget. Since the TMDL/CBPRP had not been approved by DEP, it seemed premature to commit to implementing the projects identified in the plan. The Blair County MS4 Workgroup began to realize that to assure this needed financial commitment in the future, a more formal arrangement would be required. Research in formalizing the group began in earnest. This research included discussions with other municipalities and counties in Pennsylvania that had more formal arrangements for stormwater or other multi-municipal responsibilities.

By 2016 the group had decided to initiate efforts to form a Council of Governments (COG). All member municipalities adopted an ordinance needed to form a stormwater COG. A formal agreement was signed by all in late 2016 forming the Intergovernmental Stormwater Committee (ISC). The group understood that the next permit renewal required the development of a TMDL/PRP, but since the costs to implement BMP’s needed to meet the TMDL/PRP requirement could not be known until the actual plan was completed, the Blair County MS4 Workgroup in forming the ISC, decided on a financing formula that would provide funds to begin administrative duties that would lead to the development of a joint TMDL/PRP and hire a staff person to provide coordination to assist municipalities with other MS4 MCM requirements. Therefore, the agreement signed in 2016 was for 2 years. It was during this time period that a joint or collaborative TMDL/PRP would need to be developed and all permit renewals obtained. Since implementation costs were not known, this was not considered in the financing strategy reached in the agreement.

ISC members understand that financing of TMDL/PRP implementation is needed in the future. The ISC agreement will allow the members to vote on the continuation of the ISC beyond the initial two-year agreement. At that time the following issues would be more specifically addressed in the ISC reorganization: project selection; long-term O and M, scheduling and prioritization of projects; selection of needed contractual services; costs and financing needed for the TMDL/PRP implementation and commitment to and management of this TMDL/PRP. The ISC currently has a Technical Subcommittee consisting of ISC board members and individual municipal delegated engineers. This subcommittee advises the ISC board on the technical issues listed above. In August 2017 a full-time staff person began working for the ISC to assure MS4 permit compliance for all members which will include administration of the TMDL/PRP.

In March 2018 the Collaborative TMDL/PRP Plan was approved by DEP along with the MS4 Municipalities receipt of the MS4 General Permits set to expire June 2023. The ISC, with the assistance of the Technical Subcommittee, laid the groundwork for the current MS4 permit cycle, including the establishment of projects necessary to meet the TMDL/PRP Plan, prioritizing the potential projects, and establishing a budget to design/construct the proposed projects. Using the estimated costs provided by the Technical Subcommittee a 5-year budget that encompasses PRP Projects and Administration was designed utilizing the Municipal Percentage Allocation Formula developed by the EFC.

In January 2019, the ISC reauthorized their Agreement for a 5-year term to coincide with the NPDES Permit cycle. This agreement encompasses TMDL/PRP Project implementation along with a financing schedule for administration and project funds to be evaluated on an annual basis. ISC member municipalities have since been contributing to the 5-year budget. Along
with municipal contributions, the ISC was awarded a $195,000 grant from the National Fish & Wildlife Foundation and a $334,900 Environmental Stewardship & Watershed Protection (Growing Greener) grant to install several water quality BMPs. Substantial efforts have been and will continue to be made to obtain funding from a variety of sources.
Section I- Identify Responsible Parties for Operation and Maintenance of BMPs.

As of this submission, it is anticipated that the BMP O and M will be performed by the municipality where the BMP is located unless otherwise outlined within a specific project’s operation and maintenance plan.

As each BMP is selected for implementation and a specific design is created, the O and M requirements (including the frequency of the activities) will be specifically tailored to that BMP and clearly defined. The design specific O and M activities and verification that such activities have been performed will be provided in the Annual MS4 Status Reports submitted under the permit. Likewise, the renewed ISC Agreement will be provided to PADEP.

General Operation and Maintenance Activities for Consideration for each BMP Proposed

The following basic O and M requirements for each BMP are provided below and will be the starting point for defining the design specific O and M requirements throughout the permit term.

**Bioretention**

A bioretention area (also referred to as a rain garden) is a shallow planted depression designed to retain stormwater before it is infiltrated or discharged downstream. Considerations for effective inspection, operation, and maintenance of bioretention practices are provided below.

**Operation**

- A site-specific O and M plan that includes the following considerations should be prepared by the designer prior to putting the bioretention practice into operation:
  - Operating instructions for outlet component.
  - Vegetation maintenance schedule.
  - Inspection checklists.
  - Routine maintenance checklists.
- Adequate access to all facilities for inspection, maintenance and landscaping upkeep.
- The surface of the bioretention area may become clogged with fine sediment over time. Core aeration or cultivating of non-vegetated areas may be required to ensure adequate filtration.
- Bioretention areas should not be used as dedicated snow storage areas:
  - Areas designed for infiltration should be protected from excessive snow storage where sand and salt are applied.
- In areas of high salt use in the winter the bioretention area should be planted with salt tolerant and non woody plant species.
- Bioretention areas should be periodically inspected for sediment build-up on the surface.

**Recommended Maintenance Activities**

- During establishment
  - Water plants as needed unless rainfall is adequate.
  - Replace dead plant material.
- As needed
  - Prune and weed to maintain appearance and plant survival.
o Replace mulch as needed.
o Remove trash and debris.
o Replace vegetation whenever percent cover of acceptable vegetation falls below acceptable levels.

☐ Semi-annually
  o Inspect inflow and overflow points for clogging; remove any sediment and debris.
o Inspect for erosion or gullying as necessary.
o Evaluate the health of plant material and replanted as appropriate to meet project goals.
o Remove any dead or severely diseased vegetation.
o Cut back and remove previous year’s plant material and remove accumulated leaves if needed (or controlled burn where appropriate).

**Bioswale**
A bioswale or vegetated swale is a form of bioretention used to treat water quality, attenuate flooding potential and convey stormwater away from critical infrastructure. These systems are linear, with length and width dimensions much greater than typical bioretention cells. Considerations for effective inspection, operation, and maintenance of bioswales practices are provided below.

**Operation**
☐ A site-specific O and M plan that includes the following considerations should be prepared by the designer prior to putting the bioretention practice into operation:
o Operating instructions for outlet and inlet components if applicable.
o Vegetation maintenance schedule.
o Inspection checklists.
o Routine maintenance checklists.
☐ Adequate access to all facilities for inspection, maintenance and landscaping upkeep.
☐ The surface of the ponding area may become clogged with fine sediment over time. Core aeration or cultivating of non-vegetated areas may be required to ensure adequate filtration.
☐ Bioswale areas should be periodically inspected for sediment build-up on the surface.

**Recommended Maintenance Activities**
☐ During establishment
  o Water plants as needed unless rainfall is adequate.
o Replace dead plant material.
☐ As needed
  o Prune and weed to maintain appearance and plant survival.
o Replace mulch as needed.
o Remove trash and debris.
o Replace vegetation whenever percent cover of acceptable vegetation falls below acceptable levels.
☐ Semi-annually
  o Inspect inflow and overflow points for clogging; remove any sediment and debris.
o Inspect for erosion or gullying as necessary.
o Inspect check dams for erosion, bypass, and stability.
o Evaluate the health of plant material and replanted as appropriate to meet project goals.
o Remove any dead or severely diseased vegetation.
o Cut back and remove previous years plant material and remove accumulated leaves if needed.

**Stormwater Pond Retrofit**

Retrofitting existing stormwater basins to provide additional storage and/or water quality treatment is an effective way to provide additional water quality and downstream benefits. There are a variety of approaches to retrofitting existing basins and therefore each project may be unique and require their own specific operation and maintenance requirements. However common considerations for effective inspection, operation, and maintenance of basin retrofit practices are provided below.

**Operation**

☐ A site-specific O and M plan that includes the following considerations should be prepared by the designer prior to putting the bioretention practice into operation:
  o Operating instructions for outlet and inlet components if applicable.
  o Inspection checklists.
  o Routine maintenance checklists.
☐ Adequate access to all facilities for inspection, maintenance and landscaping upkeep.

**Recommended Maintenance Activities**

☐ Semi-annually
  o Inspect inflow and overflow points for clogging.
  o Inspect for erosion or gullying as necessary.
☐ As needed
  o Remove sediment and debris from forebay.
  o Mow pond buffer to maintain access.
  o Remove woody vegetation from embankments.
☐ Periodically
  o Remove sediment from permanent pool every 2-7 years or after 50 percent of permanent pool capacity has been lost.
☐ Prevent rapid release and minimize the discharge of sediments or anoxic water.

**Stormwater Wetlands**

Stormwater wetlands are similar to stormwater wet ponds and can be a form of a retrofit. Stormwater wetlands incorporate vegetation and wetland plants into the design. Similar to bioretention pollutant removal is achieved through settling and biological uptake within the practice. Stormwater wetlands also can provide aesthetic and habitat benefits. There are a variety of design variations of the stormwater wetlands. However common considerations for effective inspection, operation, and maintenance considerations for basin retrofit practices are provided below.
Operation
- A site-specific O and M plan that includes the following considerations should be prepared by the designer prior to putting the bioretention practice into operation:
  - Operating instructions for outlet and inlet components if applicable.
  - Vegetation maintenance schedule.
  - Inspection checklists.
  - Routine maintenance checklists.
- Adequate access to all facilities for inspection, maintenance and landscaping upkeep.

Recommended Maintenance Activities
- Semi-annually
  - Inspect inflow and overflow points for clogging.
  - Inspect for erosion or gullying as necessary.
- As needed
  - Remove sediment and debris from forebay.
  - Mow pond buffer to maintain access.
  - Remove woody vegetation from embankments.
  - Repair slumping, animal burrows, and seepage associated with dam.
- Periodically
  - Manage invasive plants.
## Completed BMPs

<table>
<thead>
<tr>
<th>Projects</th>
<th>Project ID</th>
<th>Lat/Long Coord’s</th>
<th>Municipality</th>
<th>Public/ Private Ownership</th>
<th>Plan Area Location</th>
<th>Proposed BMP Type</th>
<th>Sediment Load to the BMP (lb./yr.)</th>
<th>Percent Reduction (%)</th>
<th>Proposed Load Reduction, net (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blair Township Bioretention Basin</td>
<td>PRP_A19_1</td>
<td>40.421861, -78.403472</td>
<td>Blair Twp.</td>
<td>Private</td>
<td>PRP</td>
<td>Rain Garden</td>
<td>1,003.24</td>
<td>55%</td>
<td>550</td>
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<tr>
<td>Poplar Avenue Green Infrastructure</td>
<td>PRP_A19_2</td>
<td>40.433176, -78.399670</td>
<td>Hollidaysburg</td>
<td>Private</td>
<td>PRP</td>
<td>Rain Gardens</td>
<td>1,032.12</td>
<td>80%</td>
<td>1,032.12</td>
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<td>St. Therese Church Bioretention</td>
<td>TMDL_P_BR_10</td>
<td>40.528880, -78.406937</td>
<td>Altoona</td>
<td>Public</td>
<td>TMDL</td>
<td>Bioretention</td>
<td>88,486.77</td>
<td>55%</td>
<td>48,667.73</td>
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<td>Wordsworth Avenue BMP System</td>
<td>PRP_A19_3</td>
<td>40.479112, -78.407146</td>
<td>Altoona</td>
<td>Public</td>
<td>PRP</td>
<td>Bioretention / Rain Garden</td>
<td>3,059.92 / 611.98</td>
<td>80% / 55%</td>
<td>2,784.53</td>
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<td>St. Therese Church Bioretention 2</td>
<td>TMDL_A19_4</td>
<td>40.528599, -78.406978</td>
<td>Altoona</td>
<td>Private</td>
<td>TMDL</td>
<td>Rain Garden</td>
<td>2,940.84</td>
<td>55%</td>
<td>1,617.46</td>
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<tr>
<td>Duncansville Memorial Park Bioretention</td>
<td>PRP_E_RG_11</td>
<td>40.22916, -78.42805</td>
<td>Duncansville</td>
<td>PRP</td>
<td>Bioretention</td>
<td>2,950</td>
<td>55%</td>
<td>1,733</td>
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### Proposed BMPs

<table>
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<tr>
<th>Projects</th>
<th>Project ID</th>
<th>Lat/Long Coord’s</th>
<th>Municipality</th>
<th>Public/ Private Ownership</th>
<th>Plan Area Location</th>
<th>Proposed BMP Type</th>
<th>Sediment Load to the BMP (lb./yr.)</th>
<th>Percent Reduction (%)</th>
<th>Proposed Load Reduction, net (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lakemont Park Bioretention Basins</td>
<td>PRP_A19_5</td>
<td>40.470984, -78.395710</td>
<td>Logan</td>
<td>Private</td>
<td>PRP</td>
<td>Rain Gardens</td>
<td>3,851.61</td>
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<td>PRP_A19_6</td>
<td>40.469774, -78.395727</td>
<td>Logan</td>
<td>Private</td>
<td>PRP</td>
<td>Pervious Pavement</td>
<td>2,502.86</td>
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<td>PNG Stadium Bioretention</td>
<td>PRP_A19_7</td>
<td>40.475634, -78.394438</td>
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<td>Private</td>
<td>PRP</td>
<td>Rain Gardens</td>
<td>3,083.04</td>
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<td>PNG Stadium Detention Basin</td>
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<td>40.473631, -78.396033</td>
<td>Logan</td>
<td>Private</td>
<td>PRP</td>
<td>Detention Basin/Forebay</td>
<td>9,931.62</td>
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<td>PennDOT Property Wetland</td>
<td>PRP_A19_9</td>
<td>40.477487, -78.394316</td>
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<td>Private</td>
<td>PRP</td>
<td>Wetland Mitigation</td>
<td>33,443.2</td>
<td>60%</td>
<td>20,065.92</td>
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Blair Township Municipal Building Bioretention Basin (PRP_A19_1)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
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<tbody>
<tr>
<td>Rain Garden</td>
<td>40.421861</td>
<td>-78.403472</td>
<td>Blair Township</td>
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Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th></th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate$^1$ (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
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</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>0.45</td>
<td>1,813.55</td>
<td>816.10</td>
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<tr>
<td>Pervious</td>
<td>0.70</td>
<td>267.34</td>
<td>187.14</td>
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<tr>
<td>Total</td>
<td>1.1431.15</td>
<td></td>
<td>1,003.24</td>
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Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type$^2$</th>
<th>Percent Reduction$^2$</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
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<tbody>
<tr>
<td>Bioretention C/D soils w/ underdrain</td>
<td>55%</td>
<td>551.78</td>
</tr>
</tbody>
</table>

BMP Summary

A rain garden was installed at the Municipal Office located downhill of an older subdivision. In addition, a diverter inlet was installed on an existing storm pipe that discharged directly to the adjacent stream. This new inlet directs water flow into the rain garden for treatment and groundwater recharge. The rain garden includes educational signage and is well constructed.
Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Garden</td>
<td>40.433176</td>
<td>-78.399670</td>
<td>Hollidaysburg Borough</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate (^1) (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>0.62</td>
<td>1,813.55</td>
</tr>
<tr>
<td>Pervious</td>
<td>0.62</td>
<td>267.34</td>
</tr>
<tr>
<td>Total</td>
<td>1.24</td>
<td>1,032.12</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type(^2)</th>
<th>Percent Reduction(^2)</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtering Practices</td>
<td>80%</td>
<td>1,032.12</td>
</tr>
</tbody>
</table>

BMP Summary

Summer of 2017 the Hollidaysburg Borough Public Works Department completed a series of rain garden and bioswale installations along a local neighborhood. No stormwater management practices or proper drainage, existed along the area resulting in flooding and an influx of sediment/pollution discharges. The addition of rain gardens, in line with bioswales, at the base of homeowners’ properties along with proper stormwater drainage connections allowed for the capture and infiltration of runoff prior to flow discharging into a centralized inlet.
St. Therese Church Bioretention (TMDL_P_BR_10)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention</td>
<td>40.528880</td>
<td>-78.406937</td>
<td>City of Altoona</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>45.056</td>
<td>1,813.55</td>
<td>81,711.31</td>
</tr>
<tr>
<td>Pervious</td>
<td>25.344</td>
<td>267.34</td>
<td>6,775.46</td>
</tr>
<tr>
<td>Total</td>
<td>70.4</td>
<td>2,080.89</td>
<td>88,486.77</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type- Rain Garden</th>
<th>Percent Reduction</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention</td>
<td>55%</td>
<td>48,667.73</td>
</tr>
</tbody>
</table>

BMP Summary

The City of Altoona installed a bioretention within a traffic island during summer of 2017. The rain garden includes educational signage and is well constructed. Public events were held at this location featuring a local elementary school assisting in the planting of the rain garden.
Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Garden</td>
<td>40.479112</td>
<td>-78.407146</td>
<td>City of Altoona</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP - Bioswale

<table>
<thead>
<tr>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.36</td>
<td>1,813.55</td>
</tr>
<tr>
<td>Pervious</td>
<td>2.22</td>
<td>267.34</td>
</tr>
<tr>
<td>Total</td>
<td>3.58</td>
<td></td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Percent Reduction</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioswale</td>
<td>80%</td>
<td>2,447.94</td>
</tr>
</tbody>
</table>

Remaining Sediment Load to bioretention BMP

Initial Load - Reduction from Bioswale

3,059.92 – 2,447.94 = 611.98 lb./yr.

Table 4. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Existing Sediment Load (lb./yr.)</th>
<th>Percent Reduction</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention C/D soils w/ underdrain</td>
<td>611.98</td>
<td>55%</td>
<td>336.59</td>
</tr>
</tbody>
</table>
BMP Summary

In fall 2017, City of Altoona constructed dual component BMP Systems. A bioswale provided treatment of the initial flow of stormwater and then directed to a rain garden/bioretention basin for final treatment. This project removed impervious pavement on an empty lot located within a suburban neighborhood. Through the installation of stormwater management and infiltration practices installed water flow is now treated before discharging into an adjacent stream. The rain garden includes educational signage and is well constructed.
Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Garden</td>
<td>40.528599</td>
<td>-78.406978</td>
<td>City of Altoona</td>
</tr>
</tbody>
</table>

Table 2. Sediment Load to the BMP

<table>
<thead>
<tr>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate(^1) (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.574</td>
<td>1,813.55</td>
</tr>
<tr>
<td>Pervious</td>
<td>0.346</td>
<td>267.34</td>
</tr>
<tr>
<td>Total</td>
<td>1.92</td>
<td>1,813.55</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type(^2)</th>
<th>Percent Reduction(^2)</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention – Rain Garden</td>
<td>55%</td>
<td>1,617.46</td>
</tr>
</tbody>
</table>

BMP Summary

The City of Altoona installed a rain garden adjacent to the St. Therese Church Phase 1 bioretention during the summer of 2018. This stormwater management practice receives water flow/runoff from adjacent roads and parking lots that appear to have limited drainage management. Public events were held at this location featuring a local elementary school assisting in the planting of the rain garden.
Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Garden and Impervious Pavement Removal</td>
<td>40.22916</td>
<td>-78.42805</td>
<td>Duncansville Borough</td>
</tr>
</tbody>
</table>

Table 2. Sediment Load to the BMP

<table>
<thead>
<tr>
<th></th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate $^1$ (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.41</td>
<td>1,813.55</td>
<td>2,557</td>
</tr>
<tr>
<td>Pervious</td>
<td>1.47</td>
<td>267.34</td>
<td>393</td>
</tr>
<tr>
<td>Total</td>
<td>2.88</td>
<td></td>
<td>2,950</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Percent Reduction $^2$</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention – Rain Garden</td>
<td>55%</td>
<td>1,733</td>
</tr>
</tbody>
</table>

BMP Summary

The Duncansville Borough Council through funding from both the Alliance for the Chesapeake Bay and DEP Stormwater Grant Program implemented two bioretention areas, removing an impervious basketball court and providing educational signage upon a portion of the Memorial Park.
Lakemont Park Bioretention Basins (PRP_A19_5)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Garden</td>
<td>40.470984</td>
<td>-78.395710</td>
<td>Logan Township</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th></th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate(^1) (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.77</td>
<td>1,813.55</td>
<td>3,209.98</td>
</tr>
<tr>
<td>Pervious</td>
<td>2.4</td>
<td>267.34</td>
<td>641.62</td>
</tr>
<tr>
<td>Total</td>
<td>4.17</td>
<td></td>
<td>3,851.6</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type(^2)</th>
<th>Percent Reduction(^2)</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention C/D soils w/ underdrain</td>
<td>55%</td>
<td>2,118.39</td>
</tr>
</tbody>
</table>

BMP Summary

Considering the age of Lakemont Park, minimal stormwater management was ever implemented. No consideration to the volume of runoff or the quality of stormwater runoff has been implemented. Through the inclusion of green infrastructure BMP’s, stormwater runoff that previously flowed into Brush Run and the Lakemont Reservoir will be collected and treated. A series of rain gardens/bioretentions will be constructed within the Park. Engineering designs will be available. No retrofit or modification is necessary since these are new BMPs being constructed. Drainage area estimates may be off, but a survey will be conducted. This BMP is scheduled to be installed during spring/fall of 2020.
Lakemont Park Pervious Pavement (PRP_A19_6)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pervious Pavement</td>
<td>40.469774</td>
<td>-78.395727</td>
<td>Logan Township</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.1</td>
<td>1,813.55</td>
<td>1,994.91</td>
</tr>
<tr>
<td>Pervious</td>
<td>1.9</td>
<td>267.34</td>
<td>507.95</td>
</tr>
<tr>
<td>Total</td>
<td>3.0</td>
<td>2,080.89</td>
<td>2,502.86</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Percent Reduction</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perm. Pavement w/Sand or Veg. w/ underdrain C/D soils</td>
<td>55%</td>
<td>1,376.57</td>
</tr>
</tbody>
</table>

BMP Summary

Considering the age of Lakemont Park, minimal stormwater management was ever implemented. No consideration to the volume of runoff or the quality of stormwater runoff has been implemented. Through the inclusion of green infrastructure BMP’s, stormwater runoff that previously flowed into Brush Run and the Lakemont Reservoir will be collected and treated. The proposed permeable pavement will replace a section of an existing gravel parking lot located within 100 feet of the receiving waters, the Lakemont Reservoir. This BMP is scheduled to be installed in spring/fall of 2020.
Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain Gardens</td>
<td>40.475634</td>
<td>-78.394438</td>
<td>Logan Township</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th></th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate(^1) (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>1.7</td>
<td>1,813.55</td>
<td>3,083.04</td>
</tr>
<tr>
<td>Pervious</td>
<td>0.0</td>
<td>267.34</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>1.7</td>
<td></td>
<td>3,083.04</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th></th>
<th>BMP Type(^2)</th>
<th>Percent Reduction(^2)</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtering Practices (Rain Gardens w/ Filter Media)</td>
<td>80%</td>
<td></td>
<td>2,466.43</td>
</tr>
</tbody>
</table>

BMP Summary

The PNG Stadium will incorporate a series of rain gardens that will function as a BMP. Located on the north side of the stadium, parking lots provide approximately 500 spaces for ballpark events. There are currently no existing stormwater BMPs for runoff from these parking areas. Sheet flow travels across the parking areas, is captured by storm inlets, and discharged directly into the adjacent stream, Brush Run. A portion of the impervious area flows across lawn sections leading to Brush Run. The rain gardens will be installed into existing grass medians, and adjustments will be made to the existing inlets to ensure the collection of runoff within the bioretention areas. This project is scheduled to be constructed in fall 2020.
PNG Stadium Detention Basin (PRP_A19_8)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basin/Forebay</td>
<td>40.473631</td>
<td>-78.396033</td>
<td>Logan Township</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

<table>
<thead>
<tr>
<th></th>
<th>Drainage Area (ac)</th>
<th>Land Use Loading Rate$^1$ (lb./yr.)</th>
<th>Sediment Loading to BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious</td>
<td>5.04</td>
<td>1,813.55</td>
<td>9,140.29</td>
</tr>
<tr>
<td>Pervious</td>
<td>2.96</td>
<td>267.34</td>
<td>791.33</td>
</tr>
<tr>
<td>Total</td>
<td>8.00</td>
<td></td>
<td>9,931.62</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Percent Reduction$^2$</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detention Basin-Forebay</td>
<td>80%</td>
<td>7,945.30</td>
</tr>
</tbody>
</table>

BMP Summary

The existing detention basin at PNG Stadium is located to southwest of the stadium, consisting of lawn and asphalt pavement. Two pipes discharge runoff onto a concrete pad at the bottom of the basin where the flow continues to an inlet or directly into the outlet structure. Minimal water quality benefits exist for this detention basin which receives runoff from the ball field, parking lots, and majority of the stadium. The runoff is laden with sediment from the field and stored material piles. To enhance the water quality leaving the basin a forebay and sediment trap will be constructed at the base of the inlet pipes.
PennDOT Property Wetland Mitigation (PRP_A19_9)

Table 1. Background Information

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constructed Wetland</td>
<td>40.477487</td>
<td>-78.394316</td>
<td>Logan Township</td>
</tr>
</tbody>
</table>

Table 2. Existing Sediment Load to the BMP

| Drainage Area (ac) | Land Use Loading Rate
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(lb./yr.)</td>
</tr>
<tr>
<td>Impervious</td>
<td>17.03</td>
</tr>
<tr>
<td>Pervious</td>
<td>9.57</td>
</tr>
<tr>
<td>Total</td>
<td>26.6</td>
</tr>
</tbody>
</table>

Table 3. Expected Sediment Reduction

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Percent Reduction</th>
<th>Sediment Load Reduced by BMP (lb./yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Ponds &amp; Wetlands</td>
<td>60%</td>
<td>20,065.92</td>
</tr>
</tbody>
</table>

BMP Summary

The PennDOT Property will serve as a wetland BMP located along the western side of Brush Run between interstate 99 and Frankstown Road. This property is divided by a west to east drainage swale, receiving runoff from commercial development, I-99, and Frankstown Road. An additional drainage swale exists along the northern portion of the property receiving runoff from Frankstown Road. Both drainage swales discharge directly to Brush Run. The wetland mitigation will be designed to capture and filter the runoff pollution prior to discharge.
INTERGOVERNMENTAL STORMWATER COMMITTEE AGREEMENT

THIS INTERGOVERNMENTAL STORMWATER COMMITTEE AGREEMENT, (hereinafter, at times, "Agreement") is made and entered this 20th day of DEC, 2018, by and among

ALLEGHENY TOWNSHIP, ANTIS TOWNSHIP, BELLWOOD BOROUGH, BLAIR TOWNSHIP, CITY OF ALTOONA, DUNCANSVILLE BOROUGH, FRANKSTOWN TOWNSHIP, HOLLIDAYSBURG BOROUGH, LOGAN TOWNSHIP AND BLAIR COUNTY,

(hereinafter individually "Municipality" or collectively "Municipalities") all Pennsylvania political subdivisions located in Blair County, Pennsylvania.

WITNESSETH:

WHEREAS, certain of the Municipalities hold a Pennsylvania Department of Environmental Protection (hereinafter "DEP") Municipal Separate Storm Sewer Systems National Pollution Discharge Elimination System (hereinafter “MS4 NPDES”) Permit (regarding stormwater discharges) and are required to prepare and implement a Chesapeake Bay Pollutant Reduction Plan (hereinafter "CBPRP"); and

WHEREAS, the Municipalities have partnered together for the past several years to determine how best to comply with heightened best management practices (hereinafter "BMPs") and inspection requirements by DEP in order to renew their respective MS4 NPDES Permits; and

WHEREAS, the Municipalities have been operating together as a single entity since June 5, 2016 under the named identity, “Intergovernmental Stormwater Committee” (hereinafter "ISC”) pursuant to an Intergovernmental Stormwater Committee Agreement (hereinafter "ISC Agreement") dated June 5, 2016 and adopted prior thereto by each municipality by Ordinance; and

WHEREAS, the Municipalities began to share in the resources for Mapping, Best Management
Practices, Training and Pollution Reduction Plan, Total Maximum Daily Load (PRP/TMDL) Planning in order to renew their MS4 Permit for the next 5-year cycle; and

WHEREAS, BMPs or BMP projects require capital expenditures, in some cases, significant capital expenditures; and

WHEREAS, the Municipalities have had discussions with DEP wherein each Municipality shall continue to obtain their own MS4 NPDES Permit but will be given credit for BMP projects implemented in other ISC Municipalities; and

WHEREAS, each municipality in the ISC is bound by their MS4 NPDES Permit to implement the Pollution Reduction Plan (hereinafter “PRP”) completed by the Center for Watershed Protection (CWP) dated September 2017 and approved by DEP; and

WHEREAS, recognizing that such BMP projects will be beneficial to all the Municipalities given the joint credit for such BMP projects, the Municipalities desire to renew, amend and restate the existing ISC Agreement so as to continue their relationship and delegate to the ISC certain municipal MS4 NPDES duties as may be authorized by the Municipalities from time to time; and

WHEREAS, the existing ISC Agreement, adopted in accordance with Act 177 of 1996, 53 Pa. C.S. § 2301 et seq., as amended, known as the "Intergovernmental Cooperation Act" (hereinafter "Act") permits renewal by the Municipalities adopting a Resolution pursuant to Paragraph 7 of the said existing ISC Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and promises herein contained, the parties hereto, intending to be legally bound hereby, agree to completely restate the ISC Agreement as follows:

1. Incorporation of Recitals. The above recitals are hereby incorporated herein as if fully set forth.
2. **Intergovernmental Stormwater Committee Renewed.** The Municipalities hereby renew, amend and restate the ISC Agreement wherein said Committee shall, by contract or otherwise and upon the terms and conditions hereinafter set forth:

   A. Procure the services of a qualified professional or entity to coordinate the efforts of the Municipalities in complying with governmental (including, but not limited to, DEP) stormwater requirements, including but not limited to those involving the MS4 NPDES Program and establish the rate of pay and/or benefits to be provided; and

   B. Communicate with DEP and other applicable governmental agencies on behalf of the Municipalities, subject to the approval of any such Municipality involved, and advise the Municipalities to ensure the requirements of the MS4 NPDES Program are fully understood; and

   C. Regularly convene the ISC, maintain all ISC records, and communicate pertinent information with the Municipalities between such regular meetings; and

   D. Receive, invest and distribute any and all real estate and funds, from grants or whatever source derived in accordance with this Agreement and/or the Act in order to administer this Agreement pursuant to its terms; and

   E. Coordinate the completion of all required reports and plans, including the CBPRP, public education plans, public involvement plan, annual reports and progress reports for the Municipalities and assist in the implementation of these plans to ensure among other goals that the Municipalities receive joint credit for BMPs undertaken in any ISC Municipality; and

   F. Coordinate the implementation of the CBPRP that the Municipalities have collaboratively constructed and has been approved by DEP with all Municipalities.
sharing in the cost to implement stormwater and water quality BMP’s within the CBPRP to achieve pollutant load reductions which pollutant reductions may be reported in each member’s Annual MS4 NPDES Permit Report to DEP and reported in the Regional CBPRP Report.

G. Carry out appropriate Minimum Control Measures (MCMs), including public education and involvement activities, at a regional level on behalf of the Municipalities; and

H. Select and oversee the standing and ad hoc committees of the ISC; and

I. Select and, thereafter, manage, supervise and evaluate any professional consultants hired to perform work for the Municipalities at a regional level, including preparing the CBPRP design; and

J. Oversee and assist in the implementation of MS4 NPDES related mapping, GIS and field work activities completed by or on behalf of the Municipalities; and

K. Coordinate regular MS4 NPDES trainings, tours and information sharing sessions for appropriate staff of the Municipalities; and

L. Research funding opportunities, prepare and submit grant applications in support of MS4 NPDES compliance for the ISC; and

M. Attend DEP or other applicable governmental agency inspections of Municipalities MS4 NPDES programs and meeting with such agencies pertaining to the MS4 NPDES Program and assist Municipalities in addressing any required follow-up to identified deficiencies; and

N. Participate in continuing updates to the stormwater management plan adopted by the ISC and implementation thereof through evaluation of and possible amendments to
Municipalities’ stormwater management ordinances; and

O. Monitor and maintain a working knowledge of state and federal laws pertaining to MS4 NPDESs and court case precedent decisions having potential impact on the Municipalities and regularly apprise the Municipalities of such legal issues; and

P. Coordinate and take the lead on updating and submitting future MS4 NPDES permit applications, as renewals or re-submittals become necessary, subject to the approval of any affected Municipality and coordinate the addition of future MS4 NPDES municipalities to the ISC as necessary; and

Q. Utilize the functions, powers and responsibilities that the member Municipalities and any participating organization may respectively have with respect to the operation, management, administration and enforcement of any program undertaken pursuant to this Agreement, including but not limited to, any such function, power and responsibility found under Pennsylvania or federal law, regulation or rule now or hereafter enacted or effective affecting such member municipality and/or participating organization, including but not limited to, the purchase (from an insurance company authorized to transact business in Pennsylvania) insurance insuring the property of the Committee against loss or damage and insuring the Committee, its employees, Board members, officers, solicitor, and officials against liability exposure;

R. Take other actions consistent with the Act as may be assigned to the ISC by a majority of the governing bodies of the Municipalities by resolution setting forth such action to be undertaken by the ISC.
3. ISC Membership.

A. Composition.

(i) **Members.** The ISC shall be composed of one (1) person from each Municipality hereinabove listed. Each Municipality shall appoint a member and a substitute member and notify the ISC in writing of the names of the persons so appointed.

(ii) **Future Members.** Any municipality may become a member of the ISC as follows:

(a) A municipality shall submit a written request for membership signed by the chief executive officer of the said municipality and duly attested indicating the names of the officials proposed as representatives to the ISC.

(b) Upon receipt of the written request for membership, the member Municipalities of the ISC shall vote on the request and if affirmative action is taken by a majority of the said member Municipalities, the Secretary of the ISC shall forward an ISC membership agreement to the requesting municipality for appropriate execution. Upon execution by the requesting municipality, the said municipality shall forward the Agreement, together with the Ordinance of that Municipality approving the said Membership Agreement, to the ISC for execution by the President and Secretary of the ISC. Thereafter, upon compliance with the cost sharing provisions set forth in Paragraph 5, the requesting municipality shall become a voting member Municipality of the ISC. The ISC and the Municipalities shall not be required to undertake any other action with regard to admittance of any additional municipalities other than such action as set forth herein.

(c) Notwithstanding any provisions contained herein to the contrary, the ISC may permit Non-MS4 urbanized municipalities to join the ISC upon the terms and
conditions deemed appropriate to the ISC. All requests for membership by non-urbanized municipalities shall indicate whether such municipality desires being admitted as other than a Percentage Allocated Municipality.

(d) Upon membership of any future municipality, said municipality shall have the rights and responsibilities as set forth in this Agreement.

(f) All member Municipalities shall provide a copy of the Municipality’s annual DEP report to the ISC at the time of said report’s submission to the DEP by the Municipality.

4. **Conduct of Business.** All action taken by the ISC pursuant to this Agreement shall be by a majority vote of at least fifty-one (51%) of the member Municipalities of the ISC at any duly called meeting at which a quorum is present. No action may be taken in the event of a tie vote. The ISC may adopt any rules of order it deems appropriate for conducting its business.

   A. **Assignment of Votes, Quorum.** Each of the Municipalities shall be entitled to one (1) equal vote. A quorum of the ISC shall be declared if a majority of the Municipalities is represented at any duly called meeting.

   B. **Officers.** The officers of the ISC shall be a chair/president, vice chair/president, secretary and such other officers as the ISC desires to create from time to time. Officers shall be elected annually at the ISC’s organizational meeting from the membership of the ISC with each officer position being held by a separate member Municipality. Currently the ISC has designated the Blair County Conservation District as Treasurer, however, the ISC may appoint a treasurer from among its members or any entity for a term and upon conditions the ISC deems appropriate. If the chair/president and/or vice chair/president refuse or are unable to serve, the ISC shall appoint an acting chair/president. The ISC
shall be authorized to take all action necessary to organize, structure and administer its

duties and responsibilities hereunder.

C. Meetings. The ISC shall meet at least four times per year on a quarterly basis or at

such other times as it may determine.

D. Committees. There shall exist the following committees:

   (i). A standing Management Committee consisting of, at a minimum, the

   officers of the ISC and such others the ISC may deem appropriate, which said

   Committee shall be responsible for overseeing the affairs of the ISC between the

   meetings of the ISC membership.

   (ii). A standing Technical Committee - which shall consist of the Municipal

   technical consultants and other designated staff, with such consultants and staff to

   be chosen, removed and/or replaced by the Management Committee, to coordinate

   efforts vital to the MS4 NPDES Permitting process, assist in securing grants and

   other funding and implementation of the CBPRP.

   (iii). Such ad hoc committees as the ISC may appoint from time to time.

E. Grant of Immunities. As a matter reciprocal to the responsibilities and duties

delegated in this Agreement, the ISC, its employees, members, representatives, officers

and officials shall have the same immunities from liability, the same limitations on

damages, the same rights and benefits, and the same powers as would be had by,

preserved to or applicable to a municipality, its employees, officers and officials under

the provisions of the Political Subdivisions Tort Claims Act [Subchapter C of Chapter

85 of Title 42 of the Pennsylvania Consolidated Statutes, Act 142 of October 5, 1980, as

amended, 42 PA Con. Stat. Ann. §8541 et seq.], and/or under the provisions of any other
Pennsylvania law or any federal law, now or hereafter enacted which provides for immunities, limitations, rights, benefits, or powers in connection with the subject matter of this Agreement.

5. Cost Sharing.

A. Administration, Technical Committee and Design and Construction Costs (hereinafter collectively "Costs"). The Municipalities shall contribute the following:

(i). Administration Cost. The sum of One Hundred Thousand $100,000.00 Dollars for each year of the term of this five (5) year Agreement. Said sum shall be divided on a Percentage basis among the Municipalities and with said portion to be paid as hereafter set forth. Any future member municipality accepted as a member shall pay the full Municipal Percentage Allocation amount allotted to the future member regardless of the time of year in which said municipality becomes a member of the ISC, unless otherwise directed by the ISC. Such yearly contribution shall be used to pay the cost to administer the ISC and for such other costs incurred by the ISC to carry out the purposes of the ISC as may be set forth in the annual budget as approved by the ISC. The Municipal Percentage Allocation formula basis upon which the annual costs are to be shared by the Municipalities was developed by the Environmental Finance Center and is based on population, stream length, and impervious surface, resulting in the following percentages:
Municipal Percentage Allocation*

<table>
<thead>
<tr>
<th>Township</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allegheny Township</td>
<td>13.354%</td>
</tr>
<tr>
<td>Altoona City</td>
<td>38.325%</td>
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<tr>
<td>Antis Township</td>
<td>5.361%</td>
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<tr>
<td>Bellwood Borough</td>
<td>1.676%</td>
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<tr>
<td>Blair County</td>
<td>0.574%</td>
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<tr>
<td>Blair Township</td>
<td>6.022%</td>
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<tr>
<td>Duncansville Borough</td>
<td>2.007%</td>
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<tr>
<td>Frankstown Township</td>
<td>6.544%</td>
</tr>
<tr>
<td>Hollidaysburg Borough</td>
<td>8.042%</td>
</tr>
<tr>
<td>Logan Township</td>
<td>18.095%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

* The Municipal Percentage Allocation shall be recalculated upon the acceptance by the ISC of any future member, which revised Municipal Percentage Allocation, when confirmed by resolution of the ISC, shall be utilized for the purposes of the Agreement in place of the above Municipal Percentage Allocation.

(ii). Technical Committee Costs. The initial schedule of estimated design costs and expenses of the Technical Committee, attached hereto and incorporated herein as Exhibit "A" will be used to calculate Municipal Percentage contributions. Said Exhibit will be evaluated annually to adjust design status and estimated expenses due, and to account for other potential revenue sources and when confirmed by resolution of the ISC, shall be utilized for purposes of this Agreement in place of the said Exhibit "A". Said Exhibit "A" shall also be revised in the event of a future member joining the ISC, in which event such member shall pay the full Percentage amount allocated to such member within the time set forth in the invoice to such member by the ISC, unless otherwise directed by the ISC.

(iii). CBPRP Implementation Costs. The schedule of estimated project implementation and
expenses attached hereto and incorporated herein as Exhibit "B" will be used to calculate Municipal Percentage Allocation contributions for such implementation costs. Said Exhibit will be evaluated annually and provided to the ISC by November 1, of each year of the term of this Agreement by the Technical Committee, to adjust project status and estimated expenses due, and to account for other potential revenue sources and when confirmed by resolution of the ISC, shall be utilized for purposes of this Agreement in place of the said Exhibit "B". Said Exhibit "B" shall also be revised in the event of a future member joining the ISC, in which event such member shall pay the full Municipal Percentage Allocation amount allocated to such member within the time set forth in the invoice to such member by the ISC, unless otherwise directed by the ISC.

6. Time of Payment of Costs. Each member Municipality shall pay their share of any Costs, set forth in this Agreement, on at least a quarterly basis with the first such payment to be paid not later than the 31st day of January of each year of the term of this Agreement. In order for a Municipality to be able to cast a vote on the ISC, the Municipality shall have first paid in full any invoice received pursuant to the Agreement within the time set forth in the invoice for payment to be made. In the event a Municipality fails to pay any such invoice in full by the time required, such Municipality shall not be entitled to vote until such invoice is paid in full and any such shortfall shall be distributed among those Municipalities who have made such payment in the same proportion as payment of cost are allocated in this Agreement. Once such defaulting Municipality makes such payment, (including, but not limited to, any interest incurred by those Municipalities that paid the share of such defaulting Municipality) the same shall be distributed to those Municipalities who made such payment on behalf of the defaulting Municipality on the same basis as the payment was made. In the case of future member municipalities which join other than on January 1, said costs shall be paid to the ISC in the amount and at the time which the ISC directs by written notice to the
Municipality requesting membership. In the event that any actual Costs are in excess of the estimate of such Costs paid by the Municipalities, any such excess owing shall be included in and paid with the first quarterly billing by the ISC to the Municipalities.

7. **Financial Security.** Each member Municipality shall furnish and/or cause to be furnished, upon the execution of this Agreement, cash, performance bonds and/or an irrevocable letter of credit from a state or federally chartered and insured lending institution (collectively “Financial Security”), to and in favor of the ISC in the amount of 100% of the Municipality's Municipal Percentage Allocation cost estimate of the CBPRP Implementation Costs for 2019 as listed on the Exhibit "B" cost estimate prepared by the Technical Committee. On or before December 1 of 2019 and on or before December 1, of each year of the term of this Agreement thereafter, each member Municipality shall provide, if necessary, additional Financial Security as may be needed to ensure the Municipalities have provided 100% of the cost estimate update as submitted by the Technical Committee and confirmed by ISC for the year in question. Said financial security shall be in a form acceptable to the ISC.

8. **Additional Revenues.** Any and all revenues received by the ISC or by a Municipality or other entity on behalf of the ISC, from whatever source derived, including but not limited to grant funds, donations, or fund raisers shall not be used to offset any administrative costs due by the Municipalities but may be used by the ISC to offset any Technical and/or CBPRP costs incurred by the ISC.

9. **Enforcement and Penalties.** The Municipalities acknowledge that commitment to pay the cost set forth in this Agreement requires the Municipalities to undertake substantial costs in order to comply with requirements of the law. Therefore, each member Municipality must remain committed to the obligations set forth in this Agreement for the entire five (5) year term. In the event a member Municipality attempts to withdraw and/or refuses to pay the Costs imposed and within the time required by this Agreement, the same shall be considered a default in which event the ISC and/or any member Municipality shall have the right to enforce the
provisions of this Agreement in law and/or in equity and/or seek any other lawful redress available and the defaulting Municipality hereby authorizes the following:

A. Notifying the appropriate governmental agency of the said default and seek to exclude the defaulting Municipality from participating in the benefits of this Agreement including, but not limited to, receiving credit for projects undertaken by the ISC at which point the defaulting Municipality shall be responsible for compliance with any and all requirements related to the defaulting Municipality's MS4 NPDES Permit and any related requirements; and

B. Utilizing the Financial Security posted by the defaulting Municipality; and

C. Payment by the defaulting Municipality of the estimated Costs remaining for the term of this Agreement in a lump sum upon thirty (30) days’ notice by the ISC; and

D. Payment of attorney fees for enforcement of this Agreement against the defaulting Municipality; and

E. Any other such remedy deemed appropriate.

10. Term of Agreement. This Agreement shall commence on the 1st day of January 2019, and shall continue to be in effect until the 31st day of December, 2023. This Agreement may be renewed, amended and/or restated upon the ISC receiving a resolution of the governing bodies of a Municipality indicating the terms and conditions of such renewal, amendment and/or restatement. In the event a Municipality does not supply such a resolution to the ISC by December 1, 2023, the Agreement as renewed, amended and/or restated shall not include any such Municipality as a member and such Municipality shall not be entitled to the benefits nor be encumbered with any duties as set forth in any such renewed agreement. This Intergovernmental Stormwater Committee Agreement is adopted pursuant to the Intergovernmental Cooperation Law of the Commonwealth of Pennsylvania, found at 53 Pa. Stat. Ann. §2301 et seq., as to the signatory Municipalities to this Agreement and each future member Municipality shall take all necessary steps under said statute to comply
with the same, including but not limited to the enactment of an ordinance to approve this Agreement. This Agreement may not be terminated without the written agreement of all the Municipalities a party hereto.

11. **Entire Agreement.** This Agreement constitutes the entire contract by the parties hereto and there are no other understandings, oral or written, relating to the subject matter hereof. This Agreement may not be changed, modified, or amended in whole or in part except in writing, signed by all the parties hereto.

12. **Binding Effect.** This Agreement and all of its terms and conditions shall extend to and be binding upon the parties hereto and upon their respective heirs, executors, administrators, successors and assigns.

13. **Governing Law.** This Agreement shall be governed by the Laws of the Commonwealth of Pennsylvania.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

---

**ATTEST:**

[Signatures]

**LOGAN TOWNSHIP**

Secretary

Chair
RESOLUTION NO. 12-13-2018-5

APPROVAL OF RENEWAL OF THE INTERMUNICIPAL STROWMATER COMMITTEE AGREEMENT

WHEREAS, Allegheny Township entered into an Intergovernmental Stormwater Committee Agreement (hereinafter "2016 ISC Agreement") with various other municipalities dated June 5, 2016, the same being incorporated herein as if fully set forth at length; and

WHEREAS, the 2016 ISC Agreement ends as of December 31, 2018, however, Paragraph 7 thereof permits the parties to said Agreement to extend it upon the terms agreed upon by the said parties; and

WHEREAS, the parties to the 2016 ISC Agreement have tentatively agreed upon terms to renew and extend said Agreement with only minor revisions to be made to said Agreement; and

WHEREAS, the Allegheny Township Board of Supervisors desires to authorize the appropriate officers of the Board to sign the final agreement to renew and extend the 2016 ISC Agreement which has been approved by (enter Township Solicitor if that who approved).

NOW, THEREFORE, BE IT RESOLVED AND THE SAME HEREBY RESOLVED by the Board of Supervisors of Allegheny Township that the appropriate officers of said Board are hereby authorized to sign the agreement to renew and extend the 2016 ISC Agreement, subject to the approval of the wording of the same by the Solicitor of Allegheny Township and thereafter to forward this Resolution and the said signed agreement to renew and extend to the Intergovernmental Stormwater Committee.

This Resolution made and adopted this 18th day of December, 2018.

ALLEGHENY TOWNSHIP BOARD OF SUPERVISORS

[Signatures]

ATTEST:

[Signatures]

ALLEGHENY TOWNSHIP BOARD OF SUPERVISORS
RESOLUTION No. 0082-18

APPROVAL OF RENEWAL OF THE
INTERMUNICIPAL STORMWATER COMMITTEE AGREEMENT

WHEREAS, the City of Altoona entered into an Intermunicipal
Stormwater Committee Agreement (hereinafter "2016 ISC Agreement") with
various other municipalities dated June 5, 2016, the same being incorporated
herein as if fully set forth at length; and

WHEREAS, the 2016 ISC Agreement ends as of December 31, 2018,
however, Paragraph 7 thereof permits the parties to said Agreement to extend
it upon the terms agreed upon by the said parties; and

WHEREAS, the parties to the 2016 ISC Agreement have tentatively
agreed upon terms to renew and extend said Agreement with only minor
revisions to be made to said Agreement; and

WHEREAS, the Governing Body of the City of Altoona desires to
authorize the Mayor to sign the final agreement to renew and extend the 2016
ISC Agreement, which has been approved by the Solicitor of the City of
Altoona, and further authorizes the City Clerk to attest to same.

NOW, THEREFORE, BE IT RESOLVED AND THE SAME IS HEREBY
RESOLVED by the Governing Body of the City of Altoona, the Mayor is hereby
authorized to sign the agreement to renew and extend the 2016 ISC
Agreement, and the City Clerk is further authorized to attest to same, subject
to the approval of the wording of the same by the Solicitor of the City of
Altoona, and thereafter to forward this Resolution and the said signed
agreement to renew and extend to the Intermunicipal Stormwater Committee.

Roll Call

<table>
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<tr>
<th>Yeas</th>
<th>Nays</th>
<th>Yeas</th>
<th>Nays</th>
</tr>
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<tbody>
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<td>Neugebauler</td>
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<td>Cagle</td>
<td>Mayor Pacifico</td>
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<td>Jordan</td>
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<td>7</td>
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</table>

Adopted

Mayor

Attest: 

City Clerk

Date Signed

Date Recorded
RESOLUTION NO. 20-2018

APPROVAL OF RENEWAL OF THE INTERMUNICIPAL STORMWATER COMMITTEE AGREEMENT

WHEREAS, the Township of Antis entered into an Intergovernmental Stormwater Committee Agreement (hereinafter “2016 ISC Agreement”) with various other municipalities dated June 5, 2016, the same being incorporated herein as if fully set forth at length; and

WHEREAS, the 2016 ISC Agreement ends as of December 31, 2018, however, Paragraph 7 thereof permits the parties to said Agreement to extend it upon the terms agreed upon by the said parties; and

WHEREAS, the parties to the 2016 ISC Agreement have tentatively agreed upon terms to renew and extend said Agreement with only minor revisions to be made to said Agreement; and

WHEREAS, the Township Board of Supervisors desires to authorize the appropriate officers of the Board to sign the final agreement to renew and extend the 2016 ISC Agreement which has been approved by (enter Township Solicitor if that who approved).

NOW, THEREFORE, BE IT RESOLVED AND THE SAME HEREBY RESOLVED by the Board of Supervisors of the Township of Antis that the appropriate officers of said Board are hereby authorized to sign the agreement to renew and extend the 2016 ISC Agreement, subject to the approval of the wording of the same by the Solicitor of the Township, and thereafter to forward this Resolution and the said signed agreement to renew and extend to the Intergovernmental Stormwater Committee.

This Resolution made and adopted this 6th day of December, 2018.

ANTIS TOWNSHIP BOARD OF SUPERVISORS

[Signatures]

ATTEST:

[Signature]

This Resolution made and adopted this 6th day of December, 2018.

ANTIS TOWNSHIP BOARD OF SUPERVISORS

[Signatures]

ATTEST:

[Signature]
RESOLUTION NO. 12-04-18C

A RESOLUTION AUTHORIZING THE BOROUGH OF BELLWOOD TO ENTER INTO AN AMENDED AND RESTATE INTERGOVERNMENTAL STORMWATER COMMITTEE AGREEMENT

WHEREAS, certain municipalities hold a Pennsylvania Department of Environmental Protection (hereinafter "DEP") Municipal Separate Storm Sewer Systems National Pollution Discharge Elimination System (hereinafter “MS4 NPDES”) Permit (regarding stormwater discharges) and are required to prepare and implement a Chesapeake Bay Pollutant Reduction Plan;

WHEREAS, said municipalities including the Borough of Bellwood have partnered together for the past several years to determine how best to comply with heightened best management practices (hereinafter "BMPs") and inspection requirements by DEP in order to renew their respective MS4 NPDES Permits;

WHEREAS, the municipalities have been operating together as a single entity since June 5, 2016 under the named identity, “Intergovernmental Stormwater Committee” (hereinafter "ISC") pursuant to an Intergovernmental Stormwater Committee Agreement (hereinafter "ISC Agreement") dated June 5, 2016 and adopted prior thereto by each municipality by Ordinance;

WHEREAS, the municipalities began to share in the resources for Mapping, Best Management Practices, Training and Pollution Reduction Plan, and Total Maximum Daily Load (PRP/TMDL) Planning in order to renew their MS4 Permit for the next 5-year cycle;

WHEREAS, BMPs or BMP projects require capital expenditures, in some cases, significant capital expenditures;

WHEREAS, the municipalities have had discussions with DEP wherein each municipality shall continue to obtain their own MS4 NPDES Permit but will be given credit for BMP projects implemented in other ISC municipalities;

WHEREAS, each municipality in the ISC is bound by their MS4 NPDES Permit to implement
the Pollution Reduction Plan completed by the Center for Watershed Protection dated September 2017 and approved by DEP;

WHEREAS, recognizing that such BMP projects will be beneficial to all the municipalities given the joint credit for such BMP projects, the municipalities desire to renew, amend and restate the existing ISC Agreement so as to continue their relationship and delegate to the ISC certain municipal MS4 NPDES duties as may be authorized by the municipalities from time to time;

WHEREAS, the existing ISC Agreement, adopted in accordance with Act 177 of 1996, 53 Pa. C.S. §2301 et seq., as amended, known as the "Intergovernmental Cooperation Act" permits renewal by the municipalities adopting a Resolution pursuant to Paragraph 7 of the said existing ISC Agreement; and

WHEREAS, the proposed renewed, amended, and restated ISC Agreement is attached hereto as Exhibit "A" and made a part hereof.

NOW, THEREFORE, be it resolved by the Borough of Bellwood and it hereby is resolved by the Borough of Bellwood that the Borough of Bellwood hereby approves the renewed, amended, and restated ISC Agreement attached hereto as Exhibit "A." The Borough of Bellwood Council President and Borough Secretary are authorized and directed to execute said renewed, amended, and restated ISC Agreement on behalf of the Borough of Bellwood, Pennsylvania.

This Resolution is made and adopted this 4th day of December 2018.

ATTEST:  
Jennifer Eger  
Borough Secretary

BOROUGH OF BELLWOOD

By:  
Herbert F. Shelow, Sr., Council President

Approved by me this 4th day of December 2018.

John E. Winesickle, Mayor
RESOLUTION 447-2018

APPROVING
THE INTERGOVERNMENTAL STORMWATER COMMITTEE AGREEMENT
BETWEEN
THE FOLLOWING BLAIR COUNTY POLITICAL SUBDIVISIONS
ALLEGHENY TOWNSHIP,
ANTIS TOWNSHIP,
BELLWOOD BOROUGH,
BLAIR TOWNSHIP,
CITY OF ALTOONA,
DUNCANSVILLE BOROUGH,
FRANKSTOWN TOWNSHIP,
HOLLIDAYSBURG BOROUGH
AND
LOGAN TOWNSHIP
AND
THE COUNTY OF BLAIR

BE IT RESOLVED, by the Commissioners of Blair County Pennsylvania, that the
Intergovernmental Stormwater Committee Agreement between the following Blair County
Political Subdivisions and the County of Blair is hereby approved: Allegheny Township; Antis
Township; Bellwood Borough; Blair Township; City of Altoona; Duncansville Borough;
Frankstown Township; Hollidaysburg Borough, and Logan Township for a five (5) year period,
effective January 1, 2019 through December 31, 2023; and

BE IT FURTHER RESOLVED THAT the original two-year agreement was adopted
on June 7, 2017 via Ordinance 1-2016 and the annual administrative cost will be $574.00 and the
total cost of the Pollution Reduction Plan, which will be spread out over the five year agreement
period will not exceed $40,022.24.

DULY, adopted by the Commissioners of the County of Blair, Pennsylvania this 5th Day
of December, 2018.

BLAIRE COUNTY
BOARD OF COMMISSIONERS:

Bruce Erb, Chairman

Terry Tomassetti, Vice-Chairman

Attest:

Helen P. Schmitt, County Administrator
AUTHORIZING RESOLUTION OF THE
BLAIR TOWNSHIP BOARD OF SUPERVISORS

Resolution 2018-11

WHEREAS, the Township of Blair Township entered into an Intermunicipal Stormwater Committee Agreement (hereinafter “2016 ISC Agreement”) with various other municipalities dated June 05, 2016, the same being incorporated herein as if fully set forth at length; and

WHEREAS, the 2016 ISC Agreement ends as of December 31, 2018, however, Paragraph 7 thereof permits the parties to said Agreement to extend it upon the terms agreed upon by the said parties; and

WHEREAS, the parties to the 2016 ISC Agreement have tentatively agreed upon terms to renew and extend said Agreement with only minor revisions to be made to said Agreement; and

WHEREAS, the Township Board of Supervisors desires to authorize the appropriate officers of the Board to sign the final agreement to renew and extend the 2016 ISC Agreement which has been approved by the Solicitor of the Township.

NOW THEREFORE BE IT RESOLVED AND THE SAME IS HEREBY RESOLVED by the Board of Supervisors of the Township of Blair that the appropriate officers of the said Board are hereby authorized to sign the agreement to renew and extend the 2016 ISC Agreement, subject to the approval of the wording of the same by the Solicitor of the Township and thereafter to forward this Resolution and the said signed agreement to renew and extend to the Intermunicipal Stormwater Committee.

DULY, adopted by the Blair Township Board of Supervisors during a scheduled public meeting held on Tuesday, December 11, 2018.

ATTEST:

Betty Robertson, Secretary-Treasurer

(SEAL)

BLAIR TOWNSHIP
BOARD OF SUPERVISORS

Edward Silvetti, Chairman

Palmer Brown, Vice-Chairman

Paul R. Amigh, II, Supervisor
Borough of Duncansville
DUNCANSVILLE, PENNSYLVANIA
RESOLUTION
Resolution No.: 

A Resolution of the Duncansville Borough
Council Approving the Renewal of the
2016 Intergovernmental Stormwater
Committee Agreement

WHEREAS, several Blair County municipalities cooperated in creating the
Intermunicipal Stormwater Committee ("ISC") in 2016 and have partnered together to
determine how best to comply with the heightened best management practices and
inspection requirements by the Pennsylvania Department of Environmental Protection in
order to renew their respective MS4 NPDES permits, and

WHEREAS, the participating municipalities have been sharing in the resources for
mapping, best management practices/projects, training, pollution reduction planning and
total maximum daily load planning in order to renew their MS4 permit for the next five
year cycle; and

WHEREAS, recognizing that the best management projects will be beneficial to all
participating municipalities, given the joint credit for such projects, the Borough desires to
renew, amend and restate the existing ISC Agreement (the "Agreement") so as to continue
the relationship and delegate to the ISC certain municipal MS4 and NPDES duties as may
be authorized by the participating municipalities from time to time; and

WHEREAS, Section 7 of the Agreement provides for renewal by Resolution of a
participating municipality.
NOW THEREFORE, BE IT RESOLVED by the Duncansville Borough Council that:

The Intergovernmental Stormwater Committee Agreement previously executed and adopted by the Council by Ordinance dated August 31, 2016, is hereby renewed, pursuant to Section 7 thereof, and the President is hereby authorized to execute the attached renewal Agreement which is incorporated herein by reference.

RESOLVED, this tenth day of December, 2018

DUNCANSVILLE BOROUGH

By: Lloyd A. Forshey, Jr. Mayor

Attest: Paula J. Fox - Secretary
RESOLUTION NO. 2018-1204

RESOLUTION OF THE TOWNSHIP OF FRANKSTOWN, BLAIR COUNTY, PENNSYLVANIA TO APPROVE EXECUTION OF THE INTERGOVERNMENTAL STORMWATER COMMITTEE AGREEMENT

WHEREAS, Frankstown Township previously entered into an Intergovernmental Stormwater Committee Agreement dated June 5, 2016 which was adopted prior thereto by each participating municipality by Ordinance; and

WHEREAS, Frankstown Township has determined that it is in the best interest of the Township to renew, amend, and restate the ISC Agreement for a period of five (5) years under the terms and conditions set forth in the ISC Agreement.

NOW, THEREFORE, it is hereby resolved and enacted as follows:

1. Frankstown Township hereby approves execution of the Intergovernmental Stormwater Committee Agreement as of November 27, 2018.

2. Chairman George Henry is hereby authorized to execute said Agreement as of November 27, 2018.

This Resolution was duly adopted this 4th day of December, 2018 and shall be effective as of November 27, 2018.

ATTEST:

BY: Beverly J. Henderson
    Beverly Henderson, Secretary

FRANKSTOWN TOWNSHIP

BY: George W. Henry, Jr., Chairman

BY: James W. Grove, Vice-Chairman

BY: Kenneth H. Wertz, Jr.
RESOLUTION NO. 11-08-18A

APPROVAL OF INTERMUNICIPAL STORMWATER COMMITTEE AGREEMENT

WHEREAS, the Township of Logan entered into an Intermunicipal Stormwater Committee Agreement (hereinafter "2016 ISC Agreement") with various other municipalities dated June 5, 2016, the same being incorporated herein as if fully set forth at length; and

WHEREAS, the 2016 ISC Agreement ends as of December 31, 2018, however, Paragraph 7 thereof permits the parties to said Agreement to extend it upon the terms agreed upon by the said parties; and

WHEREAS, the parties to the 2016 ISC Agreement have tentatively agreed upon terms to renew and extend said Agreement with only minor revisions to be made to said Agreement; and

WHEREAS, the Township Board of Supervisors desires to authorize the appropriate officers of the Board to sign the final agreement to renew and extend the 2016 ISC Agreement which has been approved by the Solicitor of the Township.

NOW, THEREFORE, BE IT RESOLVED AND THE SAME IS HEREBY RESOLVED by the Board of Supervisors of the Township of Logan that the appropriate officers of said Board are hereby authorized to sign the agreement to renew and extend the 2016 ISC Agreement, subject to the approval of the wording of the same by the Solicitor of the Township and thereafter to forward this Resolution and the said signed agreement to renew and extend to the Intermunicipal Stormwater Committee.

This Resolution made and adopted this 8\textsuperscript{th} day of November, 2018.

LOGAN TOWNSHIP BOARD OF SUPERVISORS

James A. Patterson, Chair

Joseph T. Metzgar, Supervisor

Edwin J. Frontino, Supervisor

Ryan P. Rimbeck, Supervisor

Ronald C. Heller, Supervisor

ATTEST:

Tiffany Noonan, Secretary
Borough Secretary

ATTEST:

Secretary

ATTEST:

Secretary

ATTEST:

Borough Secretary

ATTEST:

Secretary

ATTEST:

Borough Secretary

Council President

BLAIR TOWNSHIP

By

Chair

CITY OF ALTOONA

By

Mayor

DUNCANSVILLE BOROUGH

By

Council President

FRANKSTOWN TOWNSHIP

By

Chair

HOLLIDAYSBURG BOROUGH

By

Council President
## Table 1: PROJECTS

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<tr>
<th>Project ID</th>
<th>Owner</th>
<th>Location</th>
<th>Proposed BMP type</th>
<th>Proposed Load Reduction, net (lb/yr)</th>
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<th>Construction Cost/lb</th>
<th>Engineering &amp; Design</th>
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EXHIBIT A
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|                  | Subtotal Total                                 |            | $ 223,000 | $ 1,905,259| $ 2,712,391| $ 1,498,000| $ -       |
|                  | Contingency                                    |            | $ 22,300  | $ 190,526  | $ 271,239  | $ 149,800  | $ -       |
|                  | Yearly Total                                   |            | $ 245,300 | $ 2,095,785| $ 2,983,630| $ 1,647,800| $ -       |

|                  | Total                                          |            | $ 6,338,650| $ 6,972,515| $ -       |          |          |