THE OHIO STATE UNIVERSITY

STORM WATER MANAGEMENT PLAN

THE OHIO STATE UNIVERSITY / CENTRAL OHIO TECHNICAL COLLEGE NEWARK CAMPUS

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STORM WATER MANAGEMENT PLAN
CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained 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."

Signature _____

Name _____

Title _____

Date _____

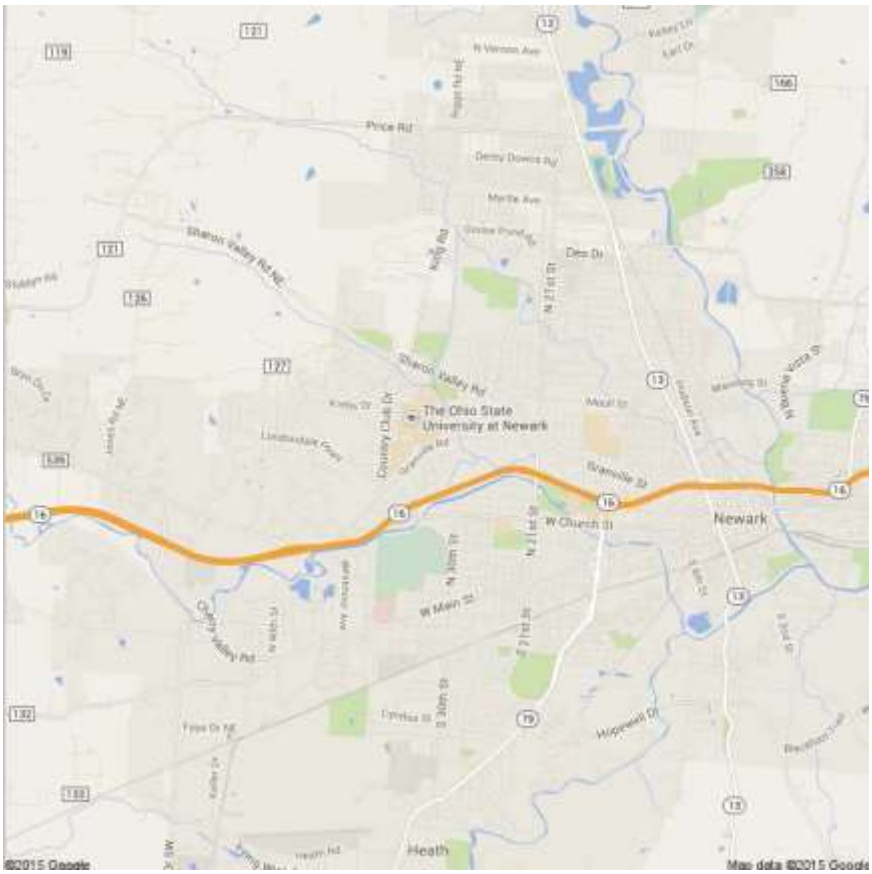
TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The Ohio State University (OSU) Newark campus is located on the northwest side of the City of Newark, about 36 miles northeast of Columbus, Ohio. The campus occupies 166 acres and lies in a suburban area of Licking County.



Aerial Map of OSU Newark Campus

OSU Newark's campus was founded in 1969 and is one of five OSU regional campuses throughout Ohio. The campus shares its grounds with the Central Ohio Technical College (COTC). Together, a total of approximately 7,000 students, faculty and staff, occupy the property. Regular business hours on the Newark campus are generally 8am to 6pm with some classes running until 10pm.

Resulting from the Clean Water Act (CWA) in 1972, the National Pollutant Discharge Elimination Program (NPDES) was created to assist in addressing polluted point source stormwater discharges into streams and rivers. The Ohio EPA administers and enforces the NPDES program in Ohio. As part of the overall NPDES program, the Ohio EPA authorizes stormwater discharges from Small Municipal Separate Storm Sewer Systems (MS4s) to waters of the state under the Small MS4 NPDES general permit. A Small MS4 serve populations of less than 100,000 people that are located partially or fully within urbanized areas.

The OSU Newark Campus is classified a Small MS4. The campus is so classified because OSU Newark Campus leases a portion of its property to the COTC. The combined student body exceeds the state minimum for an "MS4 community" population.

As a small MS4, OSU submitted a Notice of Intent (NOI) application to the Ohio EPA to obtain permit coverage under Ohio EPA's Small MS4 general permit OHQ000003. The general permit became effective on September 11, 2014 and expires on September 10, 2019. A copy of this permit is provided within Appendix C. The Ohio EPA issued permit number 4GQ00021*CG to OSU on December 12, 2014 to cover the small MS4 discharges into waters of the state. A copy of the permit coverage approval letter is provided within Appendix C.

Under Part III of the general permit, OSU is required to prepare a Storm Water Management Plan (SWMP). The overall goal of the SWMP is to protect water quality by reducing or preventing pollutants from mixing with stormwater runoff and flowing into OSU's owned and operated small MS4 and into waterways. An MS4 is a conveyance or system of conveyances that are owned and operated by OSU that are designed or used for the collecting and conveying solely stormwater into surface water of the state.

Components of the overall MS4 system consist of the following:

- Storm sewer pipe and inlet structures
- Stormwater outfalls (discharge locations to water of the state)
- Roadway and parking lot curbs and gutters
- Ditches and man-made channels
- Stormwater management basins
- Post-construction water quality Best Management Practices

A copy of the MS4 map is provided within Appendix D.

The SWMP outlines the Six Minimum Control Measures (MCMs) that are expected to result in reductions in the adverse effects of storm water discharges.

The Six Minimum Control Measures (MCMs) outlined within the plan are:

1. Public Education and Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post Construction Storm Water Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Each MCM is addressed separately within the plan. Generally, the plan identifies the strategies and Best Management Practices (BMPs) for each minimum control measure. BMPs consist of structural and nonstructural controls that will be implemented at the campus to improve water quality by reducing polluted stormwater discharges from the MS4.

A table of organization outlines the OSU/COTC staff who will be responsible for completing each MCM under the SWMP and is provided within Appendix A.

1.2 MS4 DESCRIPTION

The campus consists of a central core, with an open area, a small detention pond, an outdoor theater and a bell tower. This central core area is surrounded by nine buildings, student housing, parking lots, and a network of sidewalks running through campus from building to building. The remainder of the property is landscaped or undeveloped land. Runoff from campus is channeled by several ditches and streams to Log Run Creek. Flow enters Raccoon Creek about 2,000 feet south of the campus. Raccoon Creek then flows eastward and joins the Licking River about five miles east of campus. The majority of the campus property is pervious area with about 25% - 30% of the land area covered by impervious materials.

OSU Newark's Central Core and Detention Pond

Flow from campus and residential areas entering Log Run Creek

The surrounding land consists mostly of residential property with intermittent commercial land use. The topography of the campus property is a combination of gentle to steep slopes, with woodland and wetland areas. The central core area is fairly flat and slopes gently from north

to south. The campus is often used by the local public for walking, art exhibits, continuing education, and theater.

Stormwater runoff from the campus predominantly flows into storm sewer catch basin structures located within the parking lot and drive areas and is conveyed by the onsite storm sewer system into Log Run Creek. Runoff not conveyed by the storm sewer system sheet flows through vegetation prior to flowing into the onsite ditch. A large portion of the campuses impervious area is tributary to the onsite centrally located stormwater management basin. A campus maintenance facility was recently constructed along the southern portion of the campus. Pollutants that are used to maintain the campus are stored at the facility. Stormwater BMP's consisting of oil/water separators and an infiltration basin are used to manage the runoff prior to flowing offsite. A Storm Water Pollution Prevention Plan has been prepared for this facility that outlines the BMP inspection and maintenance requirements. A copy of the SWPPP is provided within Appendix I.

A map provided within Appendix D shows the campus layout and relative location of the MS4 features and receiving stream.

1.3 STORMWATER POLLUTANTS

Where applicable, The Ohio EPA requires BMPs to be selected as part of the overall SWMP to address US EPA approved Total Maximum Daily Load (TMDL) recommendations for identified water quality problems associated with MS4 discharges within the campus watershed. TMDLs identify and evaluate water quality problems in impaired water bodies and propose solutions to bring those waters into attainment.

Discharges from the campus MS4 are tributary to Log Run Creek along the eastern perimeter of the campus. Log Run Creek flows to the south into Raccoon Creek that is tributary to the Licking River. The TMDL report associated with the Licking River watershed is currently in preparation by the Ohio EPA during the time of this SWMP preparation and TMDLs have not been finalized or approved by the US EPA.

MS4 Potential Pollutant Sources

Activity/Source	Potential Pollutants of Concern
Equipment/Vehicle storage and minor maintenance at the maintenance facility	Wash water, paint, cleaning products, vehicle maintenance and cleaning chemicals, deicing chemicals (magnesium chloride) and sediment
Equipment/Vehicle fueling at the maintenance facility	Petroleum fuels
Chemical storage at the maintenance facility	Paint, deicing chemicals, vehicle maintenance and cleaning chemicals, fertilizers and pesticides
Grounds maintenance throughout campus	Pesticides, herbicides, fertilizers, and green waste
Trash storage areas throughout campus	Organic materials, hazardous materials, and free debris
Impervious areas throughout campus	Increased storm water flow and overload of pollutants
Parking lot runoff throughout campus	Oil and grease, litter, heavy metals
Erosion throughout campus	Sediment

BMPs will be implemented under each MCM to address the activities and pollutant sources that are present at the campus with the overall goal of preventing or minimizing polluted stormwater runoff from discharging into Log Run Creek.

1.4 LEGAL AUTHORITY AND CERTIFICATION

OSU has prepared this SWMP for OSU Newark in accordance with the Ohio EPA's NPDES Small MS4 permit program. OSU Newark meets the definition of a Regulated Small MS4 as described in 40 CFR 122.36 and the Ohio Clean Water Act (Ohio Revised Code (ORC) at Chapter 6111).

OSU is a non-traditional entity when compared with municipalities and MS4s. OSU is an instrumentality of the state and has overall responsibility for maintenance of its property, including its regional campuses.

Revised Code (ORC) Chapter 3335 and 3345 describe the university's governing body and its authority to adopt and enforce rules. OSU has responsibility for "...general supervision of all lands, buildings, and other property belonging to the University..."(ORC Section 3335.10). This has been interpreted to include buried structures on the property and, thus, includes the storm

sewer system. Further, the Board of Trustees has been given the authority to enact rules, bylaws, and regulations for governing the university. OSU has appropriate legal authority to enforce rules and laws applicable to its physical premises.

The SWMP will be in effect immediately upon signature of the SWMP certification by OSU. OSU/COTC Newark staff in conjunction with OSU Environmental Health and Safety are responsible for the implementation of the provisions presented in the SWMP in accordance with the schedule for implementation of the BMPs identified.

2.0 MINIMUM CONTROL MEASURES (MCMS)

2.1 MCM 1: PUBLIC EDUCATION AND OUTREACH

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to implement a public education program to distribute educational materials to the "community" or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The SWMP must identify the program's target audience, pollutant sources the program is designed to address and outreach strategies.

The "public" at the campus consists of students, staff and faculty living and working on campus with much of this audience being transient in nature, only living on or near campus for short periods of time compared with the public in a traditional municipality. This program is designed to distribute educational materials and conduct outreach activities about the impacts of stormwater and steps the public can take to reduce storm water pollution during everyday living. Special considerations that were taken into account include:

1. A vast majority of the public is only at the campus during business hours, generally spending less than eight hours per day, forty hours per week on campus.

2. Student housing is very limited and most students live in off campus housing, where certain forms of outreach are difficult to distribute.

3. Students are under tremendous amount of pressure to complete their coursework, thus the BMPs take into consideration that stormwater related issues may not be a high priority.

2.1.1 MCM 1 GOALS

The BMPs will be on-going through the five year permit period in order to address the transient nature of OSU/COTC Newark's public.

1. Distributing informational brochures to target the three characteristic segments of the public: faculty, staff, and students.
2. Using multiple forms of media to distribute educational information to address the chosen themes over the permit period to at least roughly 3,500 people (50% of the MS4 community).

   Stormwater Quality/Pollution Prevention Themes:

   - Elimination of inappropriate liquid discharges to the storm sewer
   - Litter management
   - Student awareness
   - Minimize landscaping chemicals
   - Infrastructure maintenance

2.1.2 MCM 1 BMPS

A variety of mechanisms will be used to disseminate the stormwater quality and pollution prevention educational information to the MS4 public.

2.1.2.1 INFORMATIONAL BROCHURES

Informational brochures have been designed for distribution to students by means of e-mail. The brochures point out the elements of the MS4 system, surface water pollution, the effects of urban areas on surface water quality, and helpful tips to prevent MS4 and surface water pollution throughout everyday living.

2.1.2.2 STORMWATER WEBPAGE

OSU/COTC will coordinate development of a link to the OSU EHS Stormwater page: go.osu.edu/waterways on the Newark campus website to a stormwater educational webpage. Information will be incorporated to accommodate local issues and links on information associated with stormwater drainage and non-point source pollution and prevention. The link for the site will be listed on

informational brochures and publications that are distributed to the public to promote the website.

2.1.2.3 STORMWATER POSTERS

OSU/COTC will develop educational posters to display throughout campus. These posters will be displayed in areas such as information bulletin boards, hallways to classrooms, and in the admissions building in order to bring stomwater issues to the attention of the MS4 community.

2.1.2.4 STORMWATER HOTLINE

OSU/COTC Newark already has a well-defined protocol for reporting spills or other environmental issues. The current program refers callers to OSU/COTC Newark's Public Safety Department and/or the Office of Environmental Health and Safety (EHS) during regular business hours and to the Newark Fire Department after hours. Staff at the Public Department and EHS have been trained to evaluate the incident, determine an appropriate response, and track/record the incident. Spill reporting and response procedures are outlined within Appendix F. OSU/COTC will post the hotline on the stormwater webpage and annually track the number and type of received complaints and evaluate if additional educational mechanism's or themes need to be incorporated within the SWMP. The number of reported illicit discharges will tracked and reported in the annual report that is submitted to the Ohio EPA.

2.1.2.5 STORM SEWER STRUCTURE LABELING

OSU/COTC has marked storm sewer inlets on campus with messages such as "Do Not Dump, Drains to Waterway" to discourage the public from dumping and discarding pollutants into the MS4 system. Campus staff will routinely inspect the inlets and replace markings as necessary. Additionally, any new storm sewer inlet that will be installed as a result of campus improvements will contain similar markings.

2.1.2.6 STAFF TRAINING

OSU/COTC will provide online annual training to staff and new hires focusing on incorporating pollution prevention techniques and the identification of illicit discharges into the MS4 system as part of their routine campus activities.

Participation of the training will be tracked and reported in the annual report that is submitted to the Ohio EPA.

2.1.3 MCM 1 EVALUATION

To evaluate the success of this portion of the overall program, OSU/COTC will annually review the number of people reached by the outreach efforts and review the tracking of water quality related concerns and complaints received from the public. The educational program can be modified based upon the results of the annual review and determine if additional means of outreach are needed to target specific audiences or pollutants resulting from the concerns and complaints received.

2.2 MCM 2: PUBLIC PARTICIPATION AND INVOLVEMENT

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to develop a stormwater public participation and involvement program. The SWMP must identify the programs target audience and types of activities included within the program.

As discussed earlier, the "public" at OSU/COTC Newark is comprised of the student body, faculty, and staff. The public also has unique characteristics in that the population is transient in nature, living off campus or only living on campus in limited student housing for a few years. This constant turnover presents a unique challenge with the public education and participation components of this plan because the transient portion of the population will need to be constantly "re-educated." Therefore the BPMs addressing this MCM will recur to maintain continuity through the program. These BMPs are designed to provide students, faculty, and staff the ability to participate in the stormwater program.

2.2.1 MCM 2 GOALS

The goal of this MCM is to create and provide opportunities for the public to participate where an opportunity is available to provide stormwater quality/pollution prevention education. The BMPs will be on-going through the five year permit period in order to address the transient nature of OSU's Newark's public.

1. Provide at least 5 events for the public to participate over the 5 year permit term.
2. Provide annual events for campus staff to participate that will assist them to incorporate pollution prevention within their daily activities.

2.2.2 MCM 2 BMPS

2.2.2.1 SWMP PUBLIC REVIEW

OSU/COTC will post a copy of the SWMP on the Facilities Department website and advertise to the campus students and staff via email and offer the opportunity for review and comment. OSU/COTC will review the received comments and evaluate incorporating additions or modifications to the plan.

2.2.2.2 STUDENT CLEANUP EVENTS

OSU/COTC will encourage its Office of Community Service to coordinate cleanup activities on campus. Staff and students will be encouraged to participate in this program as an effort to reduce MS4 pollution and improve local stream quality. The number of events and student and staff participation will be tracked and documented in the annual report that is submitted to the Ohio EPA.

2.2.2.3 STORM DRAIN LABELING

As discussed within MCM 1: Public Education and Outreach, campus staff will routinely inspect and mark the storm sewer inlets with messages to discourage dumping and illicit discharges into the MS4 system.

2.2.2.4 DEBRIS REMOVAL/CLEANUP ACTIVITIES

Campus staff will routinely inspect and remove pollutants from the campus and onsite storm sewer inlets. This activity will result in removing pollutants from the MS4 system prior to discharging into Log Run Creek. Collected pollutants will be properly stored onsite in a manner not to be exposed to stormwater until hauled offsite and properly disposed of by a contractor.

2.2.2.5 STAFF TRAINING

OSU/COTC will provide online annual training to Facilities Department and Goodwill Industries staff and new hires focusing on incorporating pollution prevention techniques and the identification of illicit discharges into the MS4 system as part of their routine campus activities. Participation of the training will be tracked and reported in the annual report that is submitted to the Ohio EPA.

2.2.2.6 TREE PLANTING

OSU/COTC staff will annually plant trees on campus to expand the overall tree canopy resulting in improved stormwater management, quality, and decreasing stormwater runoff thermal impacts to the offsite receiving stream.

2.2.3 MCM 2 EVALUATION

To evaluate the success of this portion of the overall program, OSU/COTC will annually review the number of people that participate in the public events and review the tracking of water quality related concerns and complaints received from the public. The program can be modified based upon the results of the annual review and determine if additional public events are needed to target specific audiences, stormwater themes, or specific stormwater pollutants.

2.3 MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to develop, implement and enforce a program to detect and eliminate illicit discharges into the MS4. OSU/COTC is required to develop and maintain an MS4 map, develop a list of all onsite sewage disposal systems and conduct stormwater outfall dry weather screenings to assist with detecting and eliminating illicit discharges into Log Run Creek.

OSU/COTC is committed to improving the quality of storm water emanating from its property. An important component of this commitment is to implement and enforce a program to detect and eliminate non-storm water discharges into the MS4 consistent with the Ohio EPA General Permit. These non-storm water discharges would generally consist of combined sewer overflows and spills/releases from improper material handling. Therefore, OSU/COTC is prepared to implement a plan to review current conditions and assess progress throughout the term of this SWMP. Following are descriptions of how OSU/COTC Newark will assess improvements in stormwater quality in an effort to ensure reduction in pollutant discharges.

OSU/COTC Newark has legal authority to prohibit and prevent illicit discharges that emanate from university property. In cases where illicit discharges occur from university operations or activities under its control, OSU Newark will use the mechanism and authority described in Section 1.4.

Whenever OSU/COTC discovers that an illicit discharge by an OSU/COTC entity has occurred; OSU/COTC may order compliance by written notice to the responsible person or department. Such notice may require without limitation:

1. Cessation of any violating discharges, practices, or operation;
2. The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property; and
3. Payment of any fee, penalty, or fine assessed against OSU/COTC to cover remediation cost.

2.3.1 MCM 3 GOALS

The goal of this MCM is develop, implement, and enforce a program to eliminate illicit discharges into the MS4 system that will improve Log Run Creek water quality.

1. Develop a MS4 map to assist with addressing noted illicit discharges and determining the source and discharge locations into the receiving stream.
2. Routinely inspect the MS4 system for signs of illicit discharges and develop procedures to appropriate address.
3. Provide means for the public to report noted illicit discharges.

The program will be implemented throughout the permit period and noted illicit discharges into the MS4 system appropriately addressed.

2.3.2 MCM 3 BMPS

2.3.2.1 MS4 MAP

OSU has developed a map identifying the location of the MS4 components that are to be routinely inspected and maintained to remove accumulated pollutants. A copy of the MS4 map is provided within Appendix D. The map will additionally be used by staff if illegal dumping or illicit discharges are noted to determine the location of the outfall into the receiving stream. The receiving stream will be inspected and noted illicit discharges reported to the appropriate authorities and or emergency contractor. OSU/COTC will routinely update the map as campus improvements are constructed.

2.3.2.2 CORRECT ILLICIT CONNECTIONS

The OSU/COTC Newark campus was founded in 1969 and municipal services have been available since then. OSU/COTC is not aware of any combined sewers or failing onsite sewage disposal systems present on campus. If warranted, OSU/COTC will correct noted combined systems. OSU/COTC will also review storm and sanitary sewer systems as building renovations and new construction projects take place on campus. If combined sewers are identified, the connections will be eliminated and sewers will be modified to current standards.

2.3.2.3 STORM DRAIN LABELING

As discussed within MCM 1: Public Education and Outreach, campus staff will routinely inspect and mark the storm sewer inlets with messages to discourage dumping and illicit discharges into the MS4 system.

2.3.2.4 DEBRIS REMOVAL/CLEANUP ACTIVITIES

Campus staff will routinely inspect and remove pollutants from the onsite storm sewer inlets. This activity will result in removing pollutants from the MS4 system prior to discharging into Log Run Creek. Collected pollutants will be properly stored onsite in a manner not to be exposed to stormwater until hauled offsite and properly disposed of by a contractor.

2.3.2.5 STORMWATER OUTFALL DRY WEATHER SCREENING

OSU/COTC will annually conduct dry weather screenings of the stormwater outfalls to determine if illicit discharges into Log Run Creek are occurring. The screenings will occur during dry weather conditions, no rain within 48 hours of the screenings, and outfalls will be inspected for flowing conditions. Noted flows will first be visually inspected to note signs of illicit discharges such as discoloration, foam and olfactory indicators. If illicit discharges are noted, the MS4 map will be used to assist with determining the source and the discharge appropriately addressed. Stormwater outfall dry weather screenings forms are provided within Appendix E. Records of the screenings will be maintained and results reported on the annual report submitted to the Ohio EPA.

2.3.2.6 STAFF TRAINING

An online training will be available to campus staff to assist with illicit discharge prevention and detection and the review of procedures with properly addressing noted discharges and spills and notifying the appropriate personnel. OSU/COTC will track staff training and included on the annual report submitted to the Ohio EPA.

2.3.2.7 COMPLAINT NOTIFICATION PROCESS

OSU/COTC has developed means for the public to report illicit discharges and illegal dumping into the MS4. The current program refers callers to OSU Newark's Public Safety Department and/or the Office of Environmental Health and Safety (EHS) during regular business hours and to the Newark Fire Department after hours. Staff at the Public Safety Department and EHS have been trained to evaluate the incident, determine an appropriate response, and track/record the incident. OSU/COTC will post the hotline on the stormwater webpage and annually track the number and type of received complaints. The number of reported illicit discharges will be tracked and reported in the annual report that is submitted to the Ohio EPA.

2.3.3 MCM 3 EVALUATION

To evaluate the success of this portion of the overall program, OSU/COTC will review water quality concerns as reported and the results of the stormwater outfall dry weather screenings and compare the results to the screenings conducted during the previous year. The program can be modified based upon the results of the review and determine if additional public education mechanisms are needed to target specific audiences or stormwater pollutants.

2.4 MCM 4: CONSTRUCTION SITE RUNOFF CONTROL

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to develop, implement and enforce a program to reduce pollutants in stormwater runoff from construction activities that result in the land disturbance of greater than or equal to one acre. OSU/COTC is required to ensure that adequate Storm Water Pollution Prevention Plans (SWPPPs) are submitted and approved that identify erosion and sediment controls that will be implemented during construction. OSU/COTC is required to conduct routine site inspections and adopt enforcement procedures to ensure that the controls as identified within the approved SWPPP's are properly installed and maintained.

OSU/COTC Newark's strategy for complying with this MCM will be to develop and enforce specifications for runoff control during construction. At the present time, OSU requires that contractors follow OSU's Building Design Standards (BOS) as well as state and local specifications.

2.4.1 MCM 4 GOALS

The goal for the following BMPs will be to reduce pollutants in stormwater discharges from construction sites that disturb greater than or equal to one acre. The BMPs will be implemented during the design and construction of proposed campus improvements throughout the permit period.

2.4.2 MCM 4 BMPS

2.4.2.1 PLAN REVIEWS

SWPPP's are required to be prepared for site improvement projects that will consist of a disturbed areas of 1 acre or more. The plan shall be prepared in meeting the minimum requirements of the Ohio EPA's construction site runoff general permit requirements. The plan shall identify the temporary and permanent erosion and sediment controls that will be implemented during construction activities to manage the construction site runoff prior to flowing into the MS4 and Log Run Creek. The plan is required to be submitted to the City of Newark and the OSU Facilities Operation and Development for review and approval. Land disturbing activities can't commence until the plan has been approved. OSU/COTC will additionally ensure that NPDES coverage under the Ohio EPA construction site runoff general permit has been obtained. The number of plan reviews will be tracked and reported on the annual report that is submitted to the Ohio EPA.

2.4.2.2 INSPECTIONS & ENFORCEMENT

OSU/COTC has established a program to assist with ensuring that the site improvement contractors are properly implementing the approved SWPPP. The program includes, at a minimum, weekly site visits by appropriate OSU/COTC personnel to inspect the erosion and sediment control to ensure that they are properly installed and maintained. Noted violations will be brought to the contractor's attention to properly address by a written notification. OSU/COTC has established enforcement procedures that include issuing stop work orders

and stop payment on a project if the noted violations are not properly addressed. The number of site inspections and issued violations will be tracked and reported on the annual report that is submitted to the Ohio EPA.

2.4.2.3 REPORTING PROCEDURES

OSU has developed means for the public to report concerns with construction site runoff into the MS4. The current program refers callers to OSU/COTC Newark's Public Safety Department, Newark's Facility Office, and/or the Office of Environmental Health and Safety (EHS) during regular business hours. Staff at the Public Safety Department, Facility Office, and EHS have been trained to evaluate the incident, determine an appropriate response, and track/record the incident. OSU/COTC will post the hotline on the stormwater webpage and annually track the number and type of received complaints. The number of reported illicit discharges will tracked and reported in the annual report that is submitted to the Ohio EPA.

2.4.3 MCM 4 EVALUATION

To evaluate the success of this portion of the overall program, OSU/COTC will track the number of SWPPs reviewed and site inspections conducted. The program can be modified based upon the results of the weekly inspections and determine if additional education mechanisms need established to present to the development community or enforcement procedures are needed in addressing construction site stormwater runoff violations.

2.5 MCM 5: POST-CONSTRUCTION SITE RUNOFF CONTROL HOUSEKEEPING

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to develop, implement and enforce a program to address stormwater runoff from new and redevelopment projects that will disturb greater than or equal to one acre that discharge into the MS4. Post-construction water quality BMPs are to be constructed as part of the campus improvements in meeting the minimum requirements of the Ohio EPA's NPDES general permit associated with construction site stormwater runoff. OSU/COTC shall ensure that the installed BMPs will be properly inspected and maintained.

OSU/COTC Newark will develop and enforce a program to address storm water runoff control for construction and re-development projects. The program will ensure that controls for stormwater runoff are in-place that would prevent or minimize water quality impacts to Log Run Creek.

2.5.1 MCM 5 GOALS

The goal for the following BMPs will be to reduce pollutants in post-construction stormwater discharges from constructed new development and redevelopment projects on campus that disturb greater than or equal to one acre. The BMPs will be implemented during the design and construction of proposed campus improvements throughout the permit period.

2.5.2 MCM 5 BMPS

2.5.2.1 PLAN REVIEW

SWPPP's are required to be prepared for site improvement projects that will consist of a disturbed areas of 1 acre or more. The plan shall be prepared in meeting the minimum requirements of the Ohio EPA's construction site runoff general permit requirements. The plan shall identify the permanent post-construction water quality controls that will be installed during the site improvement construction activities to manage the post-construction site runoff prior to flowing into the MS4 and Log Run Creek. The plan is required to be submitted to the City of Newark and the OSU Facilities Operation and Development for review and approval. The site improvement plans will additionally be required to include post-construction inspection and maintenance procedures. The number of plan reviews will be tracked and reported on the annual report that is submitted to the Ohio EPA.

2.5.2.2 LONG TERM OPERATION AND MAINTENANCE

OSU/COTC has established a program to assist with ensuring that the installed BMPs per the approved SWPPP will be properly inspected and maintained. OSU/COTC staff will annually inspect and maintain the BMPs and complete reports that summarize the observations made during the inspection. A copy of the report to be completed is provided within Appendix H. Removed pollutants as a result of maintenance activities will be properly removed from the campus and disposed of properly. The number of BMPs inspected and maintained will be tracked and reported on the annual report that is submitted to the Ohio EPA.

2.5.2.3 MS4 MAP

OSU/COTC has prepared an MS4 map that includes the identification of the post-construction BMPs located on campus. A copy of the MS4 map is provided within

Appendix D. The mapped BMPs will be inspected and necessary maintenance conducted to ensure that the BMPs function properly.

2.5.3 MCM 5 EVALUATION

To evaluate the success of this portion of the overall program, OSU/COTC will track the number of SWPPPs reviewed and the number of annual BMP inspections conducted. The program can be modified if it is determined the plans are not being properly prepared and the required inspections conducted. Additional education to the OSU/COTC staff may be necessary based upon the results of the program evaluation.

2.6 MCM 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing polluted runoff into the MS4 resulting from campus operations.

OSU/COTC is committed to providing a university campus setting that reflects its status as part of the state's leading teaching and research institution. OSU/COTC will develop and implement a program, to reduce and/or prevent pollutant runoff from facility operations and maintenance facility activities. OSU/COTC is prepared to expand on existing pollution prevention and good housekeeping programs and assess ways it can further reduce the effects of its activities on the natural environment.

2.6.1 MCM 6 GOALS

The goal for the following BMPs will be to reduce pollutants in stormwater discharges from campus activities and operations. The BMPs will be implemented during daily operation activities at the campus throughout the permit period.

2.6.2 MCM 6 BMPS

2.6.2.1 EMPLOYEE TRAINING

OSU/COTC will provide online annual training to staff and new hires focusing on incorporating pollution prevention techniques and the identification of illicit discharges into the MS4 system as part of their routine campus activities. Participation of the training will be tracked and reported in the annual report that is submitted to the Ohio EPA.

2.6.2.2 MAINTENANCE FACILITY SWPPP

In meeting the requirements of the Ohio EPA's Small MS4 NPDES general permit, a SWPPP was prepared for the recently constructed maintenance facility. The Maintenance Facility SWPPP was required to be prepared in accordance with the Ohio EPA's Multi-Sector General Permit #OHR00005 that is associated with industrial stormwater pollution prevention.

This Maintenance Facility SWPPP describes the general activities that occur at the facility, the pollutants stored, and the facility structural and non-structural BMPs that will be implemented to reduce the discharge of pollutants to the maximum extent practicable, to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act in accordance with Ohio EPA's NPDES program. A copy of the Maintenance Facility SWPPP is provided within Appendix I.

2.6.2.3 LITTER/DEBRIS REMOVAL

Campus staff will routinely inspect and remove pollutants from the campus and onsite storm sewer inlets. This activity will result in removing pollutants from the MS4 system prior to discharging into Log Run Creek. Collected pollutants will be properly stored onsite in a manner not to be exposed to stormwater until hauled offsite and properly disposed of by a contractor.

2.6.3 MCM 6 EVALUATION

To evaluate the success of this portion of the overall program, the OSU/COTC will annually review the tracking of pollutants applied, collected and properly disposed of as part of the OSU/COTC's routine maintenance activities. Tracking results will be evaluated to determine if pollutant source applications can be reduced or additional pollutants removed prior to mixing with stormwater and flowing into the MS4. OSU/COTC will additionally track training events attended and the inspections conducted at the campus maintenance facility. Inspection results will be reviewed a determination made if BMPs are in need of maintenance or additional BMPs implemented to improve water quality.

3.0 RECORD KEEPING AND REPORTING REQUIREMENTS

The Ohio EPA requires for OSU/COTC to track certain activities to assist with the implementation of the BMPs as indicated within the SWMP. The activities are to be reported to the Ohio EPA on an annual basis. The following section summarizes activities that are required to be tracked and reported.

3.1 MUNICIPAL SEPARATE STORM SEWER SYSTEM MAP

As discussed within Section 2.3, OSU/COTC is required to prepare an MS4 map that identifies the stormwater management features and outfall locations on campus. The map will be routinely updated as site improvement projects are constructed on campus and additional MS4 components are constructed. The MS4 map assists campus staff with determining the source location of noted illicit discharges. The map also identifies post-construction BMPs that are required to be annually inspected and stormwater outfalls that are to be screened. A copy of the MS4 map is provided within Appendix D. Mapping updates are required to be identified on the annual report that is to be submitted to the Ohio as described within Section 3.9.

3.2 STORMWATER OUTFALL DRY WEATHER SCREENING

As discussed within Section 2.3, OSU/COTC will annually conduct dry weather screenings of the stormwater outfalls identified on the MS4 map to determine if illicit discharges into Log Run Creek are occurring. The screenings will occur during dry weather conditions, no rain within 48 hours of the screenings, and outfalls will be inspected for flowing conditions. Noted flows will first be visually inspected to note signs of illicit discharges such as discoloration, foam and olfactory indicators. If illicit discharges are noted, the MS4 map will be used to assist with determining the source and the discharge appropriately addressed. Dry weather screening reports are provided within Appendix E. Records of the screenings will be maintained and results reported on the annual report submitted to the Ohio EPA as described within Section 3.9.

3.3 SPILL REPORTING

Spills and leaks are potential contributors to stormwater pollutants. OSU/COTC has established spill reporting and response procedures that are reviewed as part of the campus staff training program. Spill prevention and response procedures are provided in Appendix F.

3.4 RECEIVED STORMWATER QUALITY COMPLAINTS

The Ohio EPA requires that OSU/COTC provide means for the public to report water quality related complaints and concerns so that OSU/COTC can review and properly address. Examples

of water quality concerns consist of spills and leaks, illegal dumping and construction site discharges into the campus MS4. As described within Section 2.1, OSU/COTC has established a hotline on the stormwater webpage that the public can report concerns. OSU/COTC will annually track the number and type of received complaints and report them on the annual report that is to be submitted to the Ohio EPA as described within Section 3.9.

3.5 EROSION AND SEDIMENT CONTROL INSPECTIONS

Per the Ohio EPA's NPDES General Permit associated within construction site runoff, OSU/COTC is required to inspect active construction sites on campus to ensure that the BMPs as indicated within the approved Maintenance Facility SWPPP, as discussed in Section 2.4, are properly installed and maintained. Inspections are required to be conducted at least once per every seven days and within 24 hours of a 0.5 inch rain event that occurs over a 24 hour period. The report's will identify noted violations associated with BMPs that are required to be installed or maintained to assist with preventing or minimizing polluted construction site runoff from flowing into the MS4 and Log Run Creek. An example of the report to be completed for each inspection is provided within Appendix G. The number of inspections conducted and enforcement actions are to be identified on the annual report that is to be submitted to the Ohio as described within Section 3.9.

3.6 POST-CONSTRUCTION WATER QUALITY CONTROL INSPECTIONS

Per the Ohio EPA's NPDES General Permit associated within construction site runoff, OSU/COTC is required to inspect post-construction water quality BMPs on campus to ensure that the BMPs as indicated within the approved Maintenance Facility SWPPP, as discussed in Section 2.5, are properly functioning and determine if maintenance is required. Inspections are required to be conducted at on an annual basis. The report's will identify noted maintenance needs to assist with preventing or minimizing polluted construction site runoff from flowing into the MS4 and Log Run Creek. An example of the report to be completed for each inspection is provided within Appendix H. The number of inspections conducted are to be identified on the annual report that is to be submitted to the Ohio as described within Section 3.9.

3.7 MAINTENANCE FACILITY INSPECTIONS

As discussed in Section 2.6, a SWPPP has been prepared for the campus maintenance facility. The Ohio EPA requires identified SWPPP team personnel to inspect the facility to determine if the BMPs as identified within the Maintenance Facility SWPPP are being properly maintained. Additionally, the inspector is to note identified pollutant sources that are not being properly managed and evaluate if additional BMPs are to be implemented.

There are three types of required inspections that are to be conducted at the facility:

1. Routine Facility Inspections
2. Comprehensive Site Inspections
3. Stormwater Discharge Quarterly Visual Assessment

3.7.1 ROUTINE FACILITY INSPECTIONS

The facility is to be routinely inspected at all areas of the facility where potential pollutant sources/materials and activities are exposed to stormwater. Additionally, the BMPs as identified within the Maintenance Facility SWPPP are to be inspected to ensure they are properly functioning and determine if maintenance is required.

Routine inspections shall be conducted at least on a quarterly basis (i.e. once every three months) and shall be conducted by the OSU OSU/COTC Maintenance Facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS). At least once per year, a routine inspection shall be conducted during a period when stormwater discharge is occurring.

3.7.2 COMPREHENSIVE SITE INSPECTIONS

Annual Comprehensive Site Inspections will be conducted by the OSU/COTC Maintenance Facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS). The inspection will cover the entire facility area affected by the requirements in the Maintenance Facility SWPPP, including the areas identified as potential pollutant sources where materials or activities are exposed to storm water, areas where control measures/BMPs are used, and areas where spills and leaks have occurred in the past 3 years.

3.7.3 STORMWATER DISCHARGE QUARTERLY VISUAL ASSESSMENTS

Stormwater discharge quarterly visual assessments shall be conducted at least on a quarterly basis (i.e. once every three months) and shall be conducted by the OSU OSU/COTC Maintenance Facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS).

Once each calendar quarter, collect a storm water sample from the outfall and conduct a visual assessment of the sample. The stormwater outfall is located at the downstream end of the stormwater management basins outlet structure. The collected stormwater sample will be visually inspected for pollutants that are present within the stormwater runoff. The assessment is used as a tool to assist with determining if the BMPs at the maintenance facility are being properly implemented or if the Maintenance Facility SWPPP needs to be modified.

Copies of the inspection and stormwater discharge visual assessment reports will be kept on file with the Maintenance Facility SWPPP at the campus maintenance facility. Inspection forms that are to be completed are provided within the Maintenance Facility SWPPP, located within Appendix I. The number of inspections conducted and are to be identified on the annual report that is to be submitted to the Ohio as described within Section 3.9.

3.8 POLLUTION PREVENTION AND GOOD HOUSEKEEPING TRAINING

Another important element in preventive maintenance is the proper education and training of facility personnel who are involved in the operations and activities conducted in the areas described in this Maintenance Facility SWPPP. These include OSU/COTC personnel responsible for the operation and/or maintenance of equipment and vehicles, storage and management of raw materials (salt), fueling activities, deicing operations, and solid waste management and loading and unloading of materials. Environmental Health and Safety has an annual in person or online employee training program that informs campus personnel of the components and goals of the SWMP and the Maintenance Facility SWPPP. Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to provide annual training to staff involved with campus activities. Copies of training records are provided within Appendix J. Trainings sessions and the number of staffed trained are to be identified on the annual report that is to be submitted to the Ohio as described within Section 3.9.

3.9 OHIO EPA ANNUAL REPORTING

Per the Ohio EPA NPDES Small MS4 general permit, OSU/COTC is required to submit annual reports to the Ohio EPA by the first day of April for each year that the permit is in effect. The report will include the status of compliance with the permit conditions, an assessment of the appropriateness of BMPs, and progress towards achieving measurable goals for each of the six MCM's. The reports will include a summary of the activities that OSU/COTC will undertake during the subsequent annual reporting cycle and any changes to the BMPs or measurable goals will be included in the annual report. Copies of the annual reports are provided within Appendix K.

APPENDIX A

TABLE OF ORGANIZATION

Table of Organization
OSU/COTC Newark Campus

Safety Engineer, Water Compliance
The Ohio State University
Facilities Operations and Development – Environmental Health and Safety
614-292-5529
halloran.21@osu.edu

MCM 1	MCM 2	MCM 3	MCM 4	MCM 5	MCM 6
OSU Safety Engineer, Water Compliance	OSU Safety Engineer, Water Compliance	OSU Safety Engineer, Water Compliance	OSU Safety Engineer, Water Compliance	OSU Safety Engineer, Water Compliance	OSU Safety Engineer, Water Compliance
Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu	Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu	Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu	Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu	Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu	Superintendent OSU/COTC Newark Campus 740-364-9535 boehmer.23@osu.edu
		Newark Campus Maintenance Staff 740-366-9292	Facilities Design and Construction 614-292-4458	Newark Campus Maintenance Staff 740-366-9292	Newark Campus Maintenance Staff 740-366-9292

THE OHIO STATE UNIVERSITY

APPENDIX B

OHIO EPA NOTICE OF INTENT (NOI) APPLICATION

Notice of Intent (NOI) for Coverage Under Ohio Environmental Protection Agency General NPDES Permit

Division of Surface Water

(Read accompanying instructions carefully before completing this form.)

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

I. Applicant Information/Mailing Address

Company (Applicant) Name: The Ohio State University - Newark Campus

Mailing (Applicant) Address: 1314 Kinnear Road, Suite 106

City: Columbus State: Ohio Zip Code: 43212 -

Contact Person: Kent Halloran Phone: (614) 292 - 5529 Fax: (614) 292 - 6404

Contact Email: halloran.21@osu.edu

II. Facility/Site Location Information

Facility Name: The Ohio State University - Newark Campus

Facility Address/Location: 1179 University Drive

City: Newark State: Ohio Zip Code: 43055 -

County(ies): Licking Township(s): Newark

Facility Contact Person: Brian Boehmer Phone: (740) 364 - 9535 Fax: (740) 366 - 9449

Facility Contact Email: boehmer.23@osu.edu

(For Construction and Coal, must complete lat/long and attach map) Latitude: 40.070321° Longitude: -82.448702°

Receiving Stream or MS4: Raccoon Creek a tributary of the Licking River

III. General Permit Information

General Permit Number: OHQ000003 Small MS4 Initial Coverage: ☐ Renewal Coverage: ☒

Type of Activity: Small MS4 Fee = $200 SIC Code(s):

Existing NPDES Permit #: 4GQ00021*BG ODNR Coal Mining Application #:

If Household Sewage Treatment System, is system for: ☐ new home construction or ☐ replacement of failed existing system

Outfall:	Design Flow (MGD):	Associated Permit Effluent Table: (See instructions.)	Latitude:	Longitude:

Are these permits required?

PTI: ☒ No ☐ Yes-Approved ☐ Yes-Pending ☐ Yes-Yet to Apply

Individual 401 Water Quality Certification: ☒ No ☐ Yes-Approved ☐ Yes-Pending ☐ Yes-Yet to Apply

Isolated Wetland: ☒ No ☐ Yes-Approved ☐ Yes-Pending ☐ Yes-Yet to Apply

USACE Nationwide Permit: ☒ No ☐ Yes-Approved ☐ Yes-Pending ☐ Yes-Yet to Apply

Individual NPDES: ☒ No ☐ Yes-Approved ☐ Yes-Pending ☐ Yes-Yet to Apply

Proposed Project Start Date: Estimated Completion Date:

Total Land Disturbance (Acres): MS4 Drainage Area (Sq. Miles): 0.242187

IV. Payment Information

Check #: 2403365

Check Amount: 600.00

Date of Check: 10/07/2014

For Ohio EPA Use Only

Check ID (OFA):

ORG #:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Applicant Name: Lynn Readey Title: Associate Vice President

Applicant Signature: Lynn e Readey Date: 11/23/14

THE OHIO STATE UNIVERSITY

APPENDIX C

OHIO EPA PERMIT APPROVAL LETTER AND NPDES SMALL MS4 GENERAL PERMIT

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

December 16, 2014

OHIO STATE UNIVERSITY
KENT HALLORAN
1314 KINNEAR RD
COLUMBUS OH 43210

RE: Approval for coverage under Ohio EPA NPDES General Permit **OHQ000003**
STORM WATER ASSOCIATED WITH **SMALL MS4 NOI**

odnr number: if applicable

Dear Applicant:
The Ohio Environmental Protection Agency has received a Notice of Intent for coverage under the above referenced general permit for :

OSU - UNIVERSITY NEWARK CAMPUS — County: LICKING
1179 UNIVERSITY DR — City: NEWARK

Ohio EPA Facility Permit Number: **4GQ00021*CG** Estimated Disturbed Acreage

This site/facility is approved for coverage under the above referenced Ohio EPA general permit. Please use your Ohio EPA facility permit number in all future correspondences.

Please familiarize yourself with your general permit. The permit contains requirements and prohibitions with which you must comply. Coverage remains in effect until a renewal general permit is issued and Ohio EPA has contacted you in writing about submitting a new NOI for continuing coverage.

For Coal Suface Mining Pemittees enclosed are Monthly Operating Report (MOR) forms for your use.

Program contacts:

Construction :	Mike Joseph	(614) 752-0782	michael.joseph@epa.state.oh.us
MS4 / Marina / Alt.Const :	Jason Fyffe	(614) 728-1793	jason.fyffe@epa.state.oh.us
MS4 / Industrial :	Anthony Robinson	(614) 728-3392	anthony.robinson@epa.state.oh.us

You may obtain a copy of copy of OHR000005, information and forms from our web site at:
http://www.epa.ohio.gov/dsw/storm/stormform.asp

Ohio EPA has developed a customer service survey to get feedback from regulated entities that have contacted Ohio EPA for regulatory assistance, or worked with the Agency to obtain a permit, license or other authorization. Ohio EPA's goal is to provide our customers with the best possible customer service, and your feedback is important to us in meeting this goal. Please take a few minutes to complete this survey and share your experience with us at **http://www.surveymonkey.com/s/ohioepacustomersurvey**

Thank you for your cooperation in this matter.

Sincerely,

Craig W. Butler
Director

OHIO E.P.A.
SEP 12 2014
ENTERED DIRECTOR'S JOURNAL

Page 1 of 24

NPDES Permit No.: OHQ000003

Issuance Date: September 11, 2014
Effective Date: September 11, 2014
Expiration Date: September 10, 2019

OHIO ENVIRONMENTAL PROTECTION AGENCY

AUTHORIZATION FOR SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq. hereafter referred to as "the Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Chapter 6111), dischargers of storm water from Small Municipal Separate Storm Sewer Systems, as defined in Part VI of this permit, are authorized by the Ohio Environmental Protection Agency, hereafter referred to as "Ohio EPA," to discharge from the outfalls and to the receiving surface waters of the state identified in their Notices of Intent (NOI) Application form on file with Ohio EPA in accordance with the conditions specified in this permit.

It has been determined that a lowering of water quality of various waters of the state associated with granting coverage under this permit is necessary to accommodate important social and economic development in the state of Ohio. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and intergovernmental comments received concerning the proposal.

Granting of general permit coverage is conditioned upon submittal of a complete NOI Application in accordance with Part I.D of this permit and written approval of coverage from the director of Ohio EPA.

I certify this to be a true and accurate copy of the official documents as filed in the records of the Ohio Environmental Protection Agency.

By: _____ **Date:** 9-12-14

Craig W. Butler
Director

TABLE OF CONTENTS

PART I. COVERAGE UNDER THIS PERMIT

A. Permit Area

This permit covers the state of Ohio.

B. Eligibility

1. All small municipal separate storm sewer systems (MS4s) unless the director of Ohio EPA has given written notification to an MS4 that coverage under this general permit is inappropriate.

2. This permit authorizes discharges of storm water from small MS4s, as defined in Part VI of this permit. You are authorized to discharge under the terms and conditions of this general permit if you:

   a. Operate a small MS4 within the permit area described in Part I.A of this permit,

   b. Are not a "large" or "medium" MS4 as defined in Part VI of this permit, and

   c. Submit a Notice of Intent (NOI) in accordance with Part II of this permit, and

   d. Are located fully or partially within an urbanized area as determined by the latest Decennial Census by the Bureau of Census, or

   e. Are designated for permit authorization by Ohio EPA.

3. The following are types of authorized discharges:

   a. *Storm water discharges*. This permit authorizes storm water discharges to surface waters of the State from the small MS4s identified in Part I.B.2, except as excluded in Part I.C.

   b. *Non-storm water discharges*. You are authorized to discharge the following non-storm water sources provided that Ohio EPA has not determined, and notified you in writing, these sources are substantial contributors of pollutants to your MS4: waterline flushing; landscape irrigation; diverted stream flows; rising ground waters; uncontaminated ground water infiltration (infiltration is defined as water other than wastewater that enters a sewer system, including sewer service connections and foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.); uncontaminated pumped ground water; discharges from potable water sources; foundation drains; air conditioning condensate; irrigation water; springs; water from crawl space pumps; footing drains; lawn watering; individual residential car washing; flows from riparian habitats and wetlands; dechlorinated swimming pool discharges; street wash water; and discharges or flows from fire-fighting activities.

C. Limitations on Coverage

This permit does not authorize:

1. Discharges that are mixed with sources of non-storm water unless such non-storm water discharges are:

   a. In compliance with a separate National Pollutant Discharge Elimination System (NPDES) permit, or

   b. Determined by Ohio EPA not to be a substantial contributor of pollutants to surface waters of the state.

2. Storm water discharges associated with industrial activity as defined in 40 CFR §122.26(b)(14)(i)-(ix) and (xi) that are not in compliance with a separate in force NPDES permit.

3. Storm water discharges associated with construction activity as defined in 40 CFR §122.26(b)(14)(x) or 40 CFR §122.26(b)(15) that are not in compliance with a separate in force NPDES permit.

4. Storm water discharges currently covered under another NPDES permit.

5. Discharges that would cause or contribute to in-stream exceedances of water quality standards. Ohio EPA may require additional actions or an application for an individual permit or alternative general permit if an MS4 is determined to cause an in-stream exceedance of water quality standards.

6. Discharges of any pollutant into any water for which a Total Maximum Daily Load (TMDL) has been approved by U.S. EPA (this information can be obtained from Ohio EPA) unless your discharge is consistent with that TMDL. This eligibility condition applies at the time you submit an NOI for coverage. For discharges that cannot comply with TMDL requirements under this permit, you will be instructed by Ohio EPA to apply for an individual or other applicable general NPDES permit.

7. Discharges that do not comply with Ohio EPA's anti-degradation policy for water quality standards.

D. Obtaining Authorization

1. To be authorized to discharge storm water from small MS4s, you shall submit a completed NOI form, application fee and your Storm Water Management Program (SWMP) in accordance with the deadlines presented in Part II.A of this permit. To renew coverage you shall only submit a completed NOI form and application fee.

2. Your NOI, to be completed on a form furnished by Ohio EPA, shall be signed and dated in accordance with Part V.G of this permit.

3. Until notified in writing by Ohio EPA, dischargers who submit an NOI in accordance with the requirements of this permit are not covered by this permit. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit or alternative general permit based on a review of the NOI or other information (see Part V.Q).

4. Where an operator is added or removed after submittal of an NOI under Part II of this permit, a new NOI shall be submitted in accordance with Part II prior to the change.

PART II. NOTICE OF INTENT REQUIREMENTS

A. Deadlines for Notification

1. If you were automatically designated by the 2000 Census under 40 CFR §122.32(a)(1) to obtain coverage, then you were required to submit an NOI and your SWMP or apply for an individual permit by March 10, 2003. If you were automatically designated by the 2010 Census under 40 CFR §122.32(a)(1) to obtain coverage under this permit, then you are required to submit an NOI and your SWMP to Ohio EPA within 180 days of notice.

2. *Additional designations*. If you are designated by Ohio EPA, then you are required to submit an NOI and your SWMP to Ohio EPA within 180 days of notice.

3. Submitting *a Late NOI*. You are not prohibited from submitting an NOI after the dates provided in Part II.A of this permit. If a late NOI is submitted, your authorization is only for discharges that occur

after permit coverage is granted. Ohio EPA reserves the right to take appropriate enforcement actions against MS4s that have not submitted a timely NOI.

4. *Renewal*. If you have coverage under the previous version of this permit you will receive notification with instructions for renewing coverage under this permit. Within 90 days of receiving Ohio EPA's notification, you shall submit a completed NOI form and application fee. When Ohio EPA renews this permit, if you have coverage under this permit you will receive notification of the renewal along with instructions for getting coverage under the renewal permit.

B. Where to Submit

You are to submit your NOI, signed in accordance with the signatory requirements of Part V.G of this permit, to Ohio EPA at the following address:

Ohio EPA
Office of Fiscal Administration
P.O. Box 1049
Columbus, Ohio 43216-1049

C. Co-Permittees Under a Single NOI

You may partner with other MS4s to develop and implement your SWMP. You may also jointly submit an NOI with one or more MS4s. Your SWMP shall clearly describe which permittees are responsible for implementing each of the control measures.

PART III. STORM WATER MANAGEMENT PROGRAMS (SWMP)

A. Requirements

1. You shall develop, implement, and enforce an SWMP designed to reduce the discharge of pollutants from your small MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of Ohio Revised Code (ORC) 6111 and the Clean Water Act. The SWMP should include management practices; control techniques and system, design, and engineering methods; and shall be modified to include provisions as Ohio EPA determines appropriate after its review of the program for the control of such pollutants. Your SWMP shall include the following information for each of the six minimum control measures described in Part III.B of this permit:

   a. The best management practices (BMPs) that you or another entity will or already does implement for each of the storm water minimum control measures. Where applicable, BMPs shall be selected to address U.S. EPA approved TMDL recommendations for identified water quality problems associated with MS4 discharges within your MS4's watershed(s).

   b. For each BMP identified, statements indicating whether you believe you have the legal authority to implement said BMP.

   c. The measurable goals for each of the BMPs, the ones you believe you have the authority to implement, including, as appropriate, the months and years in which you will undertake required actions, including interim milestones and the frequency of the action. At a minimum, measurable goals shall be implemented to satisfy this general permit's performance standards; and

   d. The person or persons, including position title or titles, responsible for implementing or coordinating the BMPs for your SWMP. The SWMP shall include a Table of Organization, including a primary point of contact, which identifies how implementation across multiple positions, agencies and departments will occur.

e. In addition to the requirements listed above, you shall provide a rationale for how and why you elected each of the BMPs and measurable goals for your SWMP, including how selected BMPs address applicable TMDL recommendations.

2. If you are obtaining your initial Small MS4 general permit coverage under this permit, you shall develop and implement your program within five years of being granted coverage under this permit. If you are renewing coverage under this permit, you shall update your SWMP to be consistent with requirements of this permit and submit to your appropriate Ohio EPA District Office within 2 years of when your coverage under this general permit was granted.

B. Minimum Control Measures

The six minimum control measures that shall be included in your SWMP are:

1. Public Education and Outreach on Storm Water Impacts

a. You shall implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. In the case of non-traditional MS4s (e.g., OTIC, ODOT, universities, hospitals, prisons, military bases, and other government complexes), you are only required to provide educational materials and outreach to your employees, on-site contractors, and individuals using your facilities.

b. *Decision process*. You shall document your decision process for the development of a storm water public education and outreach program. Your rationale statement shall address both your overall public education program and the individual BMPs, measurable goals and responsible persons for your program. The rationale statement shall include the following information, at a minimum:

i. How you plan to inform individuals and households about the steps they can take to reduce storm water pollution.

ii. How you plan to inform individuals and groups on how to become involved in the storm water program (with activities such as local stream and beach restoration activities).

iii. Who are the target audiences for your education program who are likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected.

iv. What are the target pollutant sources your public education program is designed to address.

v. What is your outreach strategy, including the mechanisms (e.g., printed brochures, newspapers, media, workshops, etc.) you will use to reach your target audiences, and how many people do you expect to reach by your outreach strategy over the permit term.

vi. Who (person or department) is responsible for overall management and implementation of your storm water public education and outreach program and, if different, who is responsible for each of the BMPs identified for this program.

vii. How will you evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

c. *Performance Standards.* Your storm water public education and outreach program shall include more than one mechanism and target at least five different storm water themes or messages over the permit term. At a minimum, at least one theme or message shall be targeted to the development community. Your storm water public education and outreach program shall reach at least 50 percent of your population over the permit term.

d. *Annual Reporting*. Your annual report shall identify each mechanism used, including each storm water theme, audience targeted and estimate of how many people were reached by each mechanism.

2. Public Involvement/Participation

a. You shall comply with State and local public notice requirements and satisfy this minimum control measure's minimum performance standards when implementing a public involvement/participation program. In the case of non-traditional MS4s (e.g., OTIC, ODOT, universities, hospitals, prisons, military bases, and other government complexes), you are required to involve employees, on-site contractors, and individuals using your facilities.

b. *Decision process*. You shall document your decision process for the development of a storm water public involvement/participation program. Your rationale statement shall address both your overall public involvement/participation program and the individual BMPs, measurable goals, and responsible persons for your program. The rational statement shall include the following information, at a minimum:

i. Have you involved the public in the development and submittal of your NOI and SWMP description.

ii. What is your plan to actively involve the public in the development and implementation of your program.

iii. Who are the target audiences for your public involvement program, including a description of the types of ethnic and economic groups engaged. You are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.

iv. What are the types of public involvement activities included in your program. Where appropriate, consider the following types of public involvement activities: citizen representatives on a storm water management panel, public hearings, working with citizen volunteers willing to educate others about the program, volunteer monitoring or stream/beach clean-up activities.

v. Who (person or department) is responsible for the overall management and implementation of your storm water public involvement/participation program and, if different, who is responsible for each of the BMPs identified for this program.

vi. How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

c. *Performance Standards*. Your storm water public involvement/participation program shall include, at a minimum, five public involvement activities over the permit term.

d. *Annual Reporting*. Your annual report shall identify each public involvement/participation activity conducted, including a brief description of activity and include an estimate of how many people participated.

3. Illicit Discharge Detection and Elimination

a. You shall develop, implement and enforce a program to detect and eliminate illicit discharges, as defined in Part VI of this permit, into your small MS4 (for illicit discharges to your MS4 via an adjacent, outside of your jurisdiction, interconnected MS4, you are only required to inform the neighboring MS4 and Ohio EPA in your annual report submission, of their existence);

b. You shall develop, if not already completed, a comprehensive storm sewer system map, showing the location of all outfalls and the names and location of all surface waters of the state that receive discharges from those outfalls. Your comprehensive storm sewer system map shall also include your MS4 system (owned and/or operated by you), including catch basins, pipes, ditches, flood control facilities (retention/detention ponds), post-construction water quality BMPs and private post-construction water quality BMPs which have been installed to satisfy Ohio EPA's NPDES Construction Storm Water general permit and/or your local post-construction water quality BMP requirements.

c. Within five years of when your initial Small MS4 general permit coverage was granted, you shall submit the following to Ohio EPA:

   i. A list of all on-site sewage disposal systems connected to discharge to your MS4 (a.k.a., home sewage treatment systems (HSTSs)) including the addresses; and

   ii. A storm sewer map showing the location of all HSTSs connected to your MS4. This map shall include details on the type and size of conduits/ditches in your MS4 that receive discharges from HSTSs, as well as the water bodies receiving the discharges from your MS4.

d. You shall to the extent allowable under State or local law, effectively prohibit, through ordinance, or other regulatory mechanism, illicit discharges into your storm sewer system and implement appropriate enforcement procedures and actions;

e. You shall develop and implement a plan to detect and eliminate non-storm water discharges, including illegal dumping, to your system. At a minimum, for household sewage treatment systems (HSTSs), your plan shall address or include provisions for:

   i. Working with the appropriate Board(s) of County Commissioners, other public officials, local waste water authorities, any other appropriate entity and local board(s) of health to proactively identify residences with existing individual discharging HSTSs that can be legally, feasibly and economically connected to central sewers. At a minimum, the plan shall evaluate applying provisions identified by ORC 6117.51 and other applicable State and local laws and/or regulations. At a minimum, this activity should require connection to central sewers for any discharging HSTS that is not operating as designed and intended if feasible, but it does not preclude connection to central sewers of any HSTS if local planning and coordination recommends such;

   ii. Working with local board(s) of health to develop a proactive operation and maintenance program or implement/enhance an existing operation and maintenance program which determines if existing discharging HSTSs are operating as designed and intended and, for those not meeting this criteria, requires elimination, upgrade or replacement of the systems as appropriate. For HSTS discharges that cannot be eliminated through connection to central sewers or installation of soil absorption systems, the property owner must be notified of the requirement to pursue coverage under an appropriate Ohio EPA general NPDES permit;

   iii. Actively investigating the source(s) of contamination in outfalls identified during dry weather screening process. When the contamination source has been identified as discharging HSTS that is not operating as designed and intended, work with the local

board(s) of health to determine proper course of action in resolving the non-functioning HSTS with connection to central sewers being preferred alternative, followed by replacing system with a soil absorption system that does not discharge and only allowing a replacement discharging HSTS when no other option is available. For HSTS discharges that cannot be eliminated through connection to central sewers or installation of soil absorption systems, the property owner must be notified of the requirement to pursue coverage under an appropriate Ohio EPA general NPDES permit; and

iv. Working with local waste water authorities, planning agencies or other appropriate agencies involved to evaluate the planned or possible future installation of sewers for areas which contain high densities of discharging HSTSs.

f. You shall inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and

g. You shall address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if you or Ohio EPA has identified them as significant contributors of pollutants to your small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, and discharges or flows from fire-fighting activities (by definition, not an illicit discharge).

h. You may also develop a list of other similar occasional incidental non-storm water discharges (e.g., non-commercial or charity car washes, etc.) that will not be addressed as illicit discharges. These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the MS4, because of either the nature of the discharges or conditions you have established for allowing these discharges to your MS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to sensitive water bodies, BMPs on the wash water, etc.). You must document in your SWMP any local controls or conditions placed on the discharges. You must include a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to your MS4.

i. Decision process. You shall document your decision process for the development of a storm water illicit discharge detection and elimination program. Your rationale statement shall address both your overall illicit discharge detection and elimination program and the individual BMPs, measurable goals, and responsible persons for your program. The rational statement shall include the following information, at a minimum:

i. How you will develop a comprehensive storm sewer map showing the location of all outfalls and the names and location of all receiving waters. Describe the sources of information you used for the maps, and how you plan to verify the outfall locations with field surveys. If already completed, describe how you developed this map. Also, describe how your map will be regularly updated.

ii. The mechanism (ordinance or other regulatory mechanism) you will use to effectively prohibit illicit discharges into the MS4 and why you chose that mechanism. If you need to develop this mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your program.

iii. Your plan to ensure through appropriate enforcement procedures and actions that your illicit discharge ordinance (or other regulatory mechanism) is implemented.

iv. Your plan to detect and address illicit discharges to your system, including discharges from illegal dumping and spills. Your plan shall include dry weather field screening for non-storm water flows and Ohio EPA recommends field tests of selected chemical parameters as indicators of discharge sources. You shall describe the mechanisms and strategies you will implement to ensure outfalls which have previously been dry-weather screened will not have future illicit connections. Your plan shall also address on-site sewage disposal systems (including failing on-lot HSTSs and off-lot discharging HSTSs) that flow into your storm drainage system. Your description shall address the following, at a minimum:

1. Procedures for locating priority areas which include areas with higher likelihood of illicit connections (e.g., areas with older sanitary sewer lines, for example) or ambient sampling to locate impacted reaches;

2. Procedures for tracing the source of an illicit discharge, including the specific techniques you will use to detect the location of the source;

3. Procedures for removing the source of the illicit discharge; and

4. Procedures for program evaluation and assessment.

v. How you plan to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. Include in your description how this plan will coordinate with your public education minimum measure and your pollution prevention/good housekeeping minimum measure programs.

vi. Who is responsible for overall management and implementation of your storm water illicit discharge detection and elimination program and, if different, who is responsible for each of the BMPs identified for this program.

vii. How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

j. *Performance Standards.* Your storm water illicit discharge detection and elimination program shall include or have included an initial dry-weather screening of all your storm water outfalls over the permit term. Your program shall establish priorities and specific goals for long-term system- wide surveillance of your MS4, as well as for specific investigations of outfalls and their tributary area where previous surveillance demonstrates a high likelihood of illicit discharges. Data collected each year shall be evaluated and priorities and goals shall be revised annually based on this evaluation. Your comprehensive storm sewer system map shall be updated annually as needed.

k. Annual Reporting. Your annual report shall document the following: (1) number of outfalls dry-weather screened, (2) number of dry-weather flows identified, (3) number of illicit discharges identified, (4) number of illicit discharges eliminated, (5) a list of all illicit connections that have been identified but have yet to be eliminated, including estimated schedules for elimination and (6) summary of any storm sewer system mapping updates.

4. Construction Site Storm Water Runoff Control

a. You shall develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of pollutants in storm water discharges from construction activity disturbing less than one acre shall be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. If Ohio EPA waives requirements for storm water discharges associated with small construction from a specific site(s), you are not required to enforce your program to reduce pollutant discharges from such site(s). Your program shall include the development and implementation of, at a minimum:

i. An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State or local law. Your ordinance or other regulatory mechanism shall, at a minimum, be equivalent with the technical requirements set forth in the Ohio EPA NPDES General Storm Water Permit(s) for Construction Activities applicable for your permit area which have been issued at the time of issuance of this permit. This would include the following Ohio EPA NPDES General Storm Water Permits for Construction Activities: OHC000004, OHCD00002 and OHCO00002. If you had coverage under the previous version of this permit, you shall revise your ordinance or other regulatory mechanism, if needed, within two years of when your coverage under this general permit was granted;

ii. Requirements for construction site operators to implement appropriate erosion and sediment control BMPs;

iii. Requirements for construction site operators to control waste such as, but not limited to, discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;

iv. Procedures for storm water pollution prevention plan review which incorporate consideration of potential water quality impacts;

v. Procedures for receipt and consideration of information submitted by the public; and

vi. Procedures for site inspection and enforcement of control measures.

b. *Decision process*. You shall document your decision process for the development of a construction site storm water control program. Your rationale statement shall address both your overall construction site storm water control program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement shall include the following information, at a minimum:

i. The mechanism (ordinance or other regulatory mechanism) you will use to require erosion and sediment controls at construction sites and why you chose that mechanism. If you need to develop this mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your SWMP description;

ii. Your plan to ensure compliance with your erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms you will use to ensure compliance. Describe your procedures for when you will use certain sanctions. Possible sanctions include non-monetary penalties (such as a stop work orders), fines, bonding requirements, and/or permit denials for non-compliance;

iii. Your requirements for construction site operators to implement appropriate erosion and sediment control BMPs and control waste at construction sites that may cause adverse

impacts to water quality. Such waste includes, but is not limited to, discarded building materials, concrete truck washouts, chemicals, litter, and sanitary waste;

iv. Your procedures for pre-construction storm water pollution prevention plan review which incorporate consideration of potential water quality impacts. Describe the estimated number of sites that will have pre-construction site plans reviewed;

v. Your procedures for receipt and consideration of information submitted by the public. Consider coordinating this requirement with your public education program;

vi. Your procedures for site inspection and enforcement of control measures, including how you will prioritize sites for inspection;

vii. Who is responsible for overall management and implementation of your construction site storm water control program and, if different, who is responsible for each of the BMPs identified for this program; and

viii. Describe how you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

c. *Performance Standards.* Your construction site storm water control program shall include a pre-construction storm water pollution prevention plan review of all projects from construction activities that result in a land disturbance of greater than or equal to one acre. To ensure compliance, these applicable sites shall be initially inspected. The frequency of follow-up inspections shall be on a monthly basis unless you document your procedures for prioritizing inspections such as location to a waterway, amount of disturbed area, compliance of site, etc.

d. *Annual Reporting*. Your annual report shall document the following: (1) number of applicable sites in your jurisdiction, (2) number of pre-construction storm water pollution prevention plan reviews performed, (3) number and frequency of site inspections, (4) number of violation letters issued, (5) number of enforcement actions taken and (6) number of complaints received and number followed up on.

5. Post-Construction Storm Water Management in New Development and Redevelopment

a. You shall develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program shall ensure that controls are in place that will prevent or minimize water quality impacts;

b. You shall develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;

c. You shall use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State or local law. Your ordinance or other regulatory mechanism shall, at a minimum, be equivalent with the technical requirements set forth in the Ohio EPA NPDES General Storm Water Permit(s) for Construction Activities applicable for your permit area which have been issued at the time of issuance of this permit. This would include the following Ohio EPA NPDES General Storm Water Permits for Construction Activities: OHC000004, OHCD00002 and OHCO00002. If you had coverage under the previous version of this permit, you shall revise your ordinance or other regulatory mechanism, if needed, within two years of when your coverage under this general permit was granted; and

d. You shall ensure adequate long-term operation and maintenance of BMPs.

e. *Decision process*. You shall document your decision process for the development of a post-construction SWMP. Your rationale statement shall address both your overall post-construction SWMP and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement shall include the following information, at a minimum:

i. Your program to address storm water runoff from new development and redevelopment projects. Include in this description any specific priority areas for this program.

ii. How your program will be specifically tailored for your local community, minimize water quality impacts, and attempt to maintain pre-development runoff conditions.

iii. Any non-structural BMPs in your program, including, as appropriate: green infrastructure storm water management techniques, policies and ordinances that provide requirements and standards to direct growth to identified areas, protect sensitive areas such as wetlands and riparian areas, maintain and/or increase open space (including a dedicated funding source for open space acquisition), provide buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; policies or ordinances that encourage infill development in higher density urban areas, and areas with existing storm sewer infrastructure; education programs for developers and the public about project designs that minimize water quality impacts; and other measures such as minimization of the percentage of impervious area after development, use of measures to minimize directly connected impervious areas, and source control measures often thought of as good housekeeping, preventive maintenance and spill prevention.

iv. Any structural BMPs in your program, including, as appropriate: green infrastructure storm water management techniques, storage practices such as wet ponds and extended-detention outlet structures; filtration practices such as grassed swales, bioretention cells, sand filters and filter strips; and infiltration practices such as infiltration basins and infiltration trenches.

v. The mechanisms (ordinance or other regulatory mechanisms) you will use to address post-construction runoff from new developments and redevelopments and why you chose the mechanism(s). If you need to develop a mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your program.

vi. How you will ensure the long-term operation and maintenance (O&M) of your selected BMPs. Options to help ensure that future O&M responsibilities are clearly identified include an agreement between you and another party such as the post-development landowners or regional authorities.

vii. Who is responsible for overall management and implementation of your post-construction SWMP and, if different, who is responsible for each of the BMPs identified for this program.

viii. How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

f. *Performance Standards.* Your post-construction SWMP shall include a pre-construction storm water pollution prevention plan review of all projects from construction activities that result in a land disturbance of greater than or equal to one acre to ensure that required controls are designed per requirements. These applicable sites shall be inspected to ensure that controls are installed per requirements. Your program shall also ensure that long-term operation and maintenance (O&M) plans are developed and agreements in place for all applicable sites.

g. Annual Reporting. Your annual reports shall document the following: (1) number of applicable sites in your jurisdiction requiring post-construction controls, (2) number of pre-construction storm water pollution prevention plan reviews performed, (3) number of inspections performed to ensure as built per requirements, and (4) number of long-term operation and maintenance (O&M) plans developed and agreements in place.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

a. You shall develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations; and

b. Using training materials that are available from Ohio EPA or other organizations, your program shall include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance; and

c. You shall include a list of industrial facilities you own or operate that are subject to Ohio EPA' Industrial Storm Water General Permit or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to your MS4. Include the Ohio permit number or a copy of the Industrial NOI form for each facility. For your municipal facilities that conduct activities described in 40 CFR 122.26(b)(14) that are not required to obtain Industrial Storm Water General Permit coverage, including vehicle maintenance facilities, bus terminals, composting facilities, impoundment lots and waste transfer stations, a Storm Water Pollution Prevention Plan (SWP3) shall be developed and implemented in accordance with the SWP3 requirements of Ohio EPA's Industrial Storm Water General Permit (OHR000005).

d. Decision process. You shall document your decision process for the development of a pollution prevention/good housekeeping program for municipal operations. Your rationale statement shall address both your overall pollution prevention/good housekeeping program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement shall include the following information, at a minimum:

i. Your operation and maintenance program to prevent or reduce pollutant runoff from your municipal operations. Your program shall specifically list the municipal operations that are impacted by this operation and maintenance program.

ii. Any government employee training program you will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance. Describe any existing, available materials you plan to use. Describe how this training program will be coordinated with the outreach programs developed for the public information minimum measure and the illicit discharge minimum measure.

iii. Your program description shall specifically address the following areas:

1. Maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to your MS4.

2. Controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt/sand storage locations and snow disposal areas you operate. A description of the materials used for roadway and municipal parking lot winterization (use of salt, sand, bottom ash, etc. or combination thereof), associated application rates, and

the rationale for the selected application rates shall be included. Also identify controls or practices to be used for reducing or eliminating discharges of pollutants resulting from roadway and municipal parking lot winterization activities.

3. Procedures for the proper disposal of waste removed from your MS4 and your municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris.

4. Procedures to ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices.

iv. Who is responsible for overall management and implementation of your pollution prevention/good housekeeping program and, if different, who is responsible for each of the BMPs identified for this program.

v. How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

e. *Performance Standards.* Your pollution prevention/good housekeeping program shall include, at a minimum, an annual employee training. Your operation and maintenance program shall include appropriate documented procedures, controls, maintenance schedules and recordkeeping to address Part III.B.6.d.iii of this permit.

f. Annual Reporting. Your annual reports shall document the following: (1) summary of employee training program(s) implemented with number of employees that attended and (2) summary of activities and procedures implemented for your operation and maintenance program.

C. Sharing Responsibility

Implementation of one or more of the minimum measures may be shared with another entity, or the entity may fully take over the measure. You may rely on another entity only if:

1. The other entity, in fact, implements all or part of the control measure;

2. The particular control measure, or component of that measure, is at least as stringent as the corresponding permit requirement; and

3. The other entity agrees to implement the control measure on your behalf. There shall be written acceptance of this obligation. This obligation shall be maintained as part of your SWMP. If the other entity agrees to report on the minimum measure, you shall supply the other entity with the reporting requirements contained in Part IV.C of this permit. If the other entity fails to implement the control measure on your behalf, then you remain liable for any discharges due to that failure to implement.

D. Reviewing and Updating Storm Water Management Programs

1. SWMP Review: You shall do an annual review of your SWMP in conjunction with preparation of the annual report required under Part IV.C of this permit.

2. SWMP Update: You may change your SWMP during the life of the permit in accordance with the following procedures:

a. Changes adding (but not subtracting or replacing) components, controls, or requirements to the SWMP may be made at any time upon written notification to Ohio EPA.

b. Changes replacing an ineffective or infeasible BMP specifically identified in the SWMP with an alternate BMP may be requested at any time. Unless denied by Ohio EPA, changes proposed in accordance with the criteria below shall be deemed approved and may be implemented 60 days from submittal of the request. If the request is denied, Ohio EPA will send you a written response giving a reason for the decision. Your modification requests shall include the following:

   i. An analysis of why the BMP is ineffective or infeasible (including cost prohibitive),

   ii. Expectations on the effectiveness of the replacement BMP, and

   iii. An analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.

c. Change requests or notifications shall be made in writing and signed in accordance with Part V.G of this permit.

3. SWMP Updates Required by Ohio EPA: Ohio EPA may require changes to the SWMP as needed to:

   a. Address impacts on receiving water quality caused, or contributed to, by discharges from the MS4;

   b. Include more stringent requirements necessary to comply with new Federal statutory or regulatory requirements; or

   c. Include such other conditions deemed necessary by Ohio EPA to comply with the goals and requirements of ORC 6111 and the Clean Water Act.

   d. Changes requested by Ohio EPA will be made in writing, set forth the time schedule for you to develop the changes, and offer you the opportunity to propose alternative program changes to meet the objective of the requested modification. All changes required by Ohio EPA will be made in accordance with Ohio Administrative Code (OAC) 3745-47.

4. Transfer of Ownership, Operational Authority, or Responsibility for SWMP Implementation: You shall implement the SWMP on all new areas added to your portion of the MS4 (or for which you become responsible for implementation of storm water quality controls) as expeditiously as practicable, but not later than one year from addition of the new areas. Implementation may be accomplished in a phased manner to allow additional time for controls that cannot be implemented immediately. An exception to this one year timeframe exists for requirements associated with the comprehensive storm sewer system map and dry-weather screening of storm water outfalls. If you will be unable to complete these requirements within one year from the addition of the new areas, you shall provide an alternative schedule to complete with the following annual report.

   a. Within 90 days of a transfer of ownership, operational authority, or responsibility for SWMP implementation, you shall have a plan for implementing your SWMP on all affected areas. The plan may include schedules for implementation. Information on all new annexed areas and any resulting updates required to the SWMP shall be included in the annual report.

   b. Only those portions of the SWMPs specifically required as permit conditions shall be subject to modification. Addition of components, controls, or requirements by the permittee(s) and replacement of an ineffective or infeasible BMP implementing a required component of the SWMP with an alternate BMP expected to achieve the goals of the original BMP shall be considered minor changes to the SWMP and not modifications to the permit.

PART IV. EVALUATING, RECORD KEEPING AND REPORTING

A. Evaluating

1. You shall evaluate program compliance, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals and satisfying performance standards.

B. Record Keeping

1. You shall retain copies of all reports required by this permit, a copy of the NPDES permit, and records of all data used to complete the NOI application for this permit, for a period of at least three years from the date of the report or application, or for the term of this permit, whichever is longer. This period may be extended by request of Ohio EPA at any time.

2. You shall submit your records to Ohio EPA only when specifically asked to do so. You shall retain the SWMP required by this permit (including a copy of the permit language) at a location accessible to Ohio EPA. You shall make your records, including the NOI, annual reports and the SWMP, available to the public if requested to do so in writing.

C. Reporting

You shall submit annual reports to the director by the first day of April for each year that this permit is in effect. If you had coverage under the previous version of this permit you shall submit your 2014 annual report by April 1, 2015. Each report shall cover the period from January through December of the previous year. You shall use the Annual Report Form provided by the Director or you may request approval to use your own reporting format. The report shall include:

1. A most recent Table of Organization for program development and implementation, including a primary point of contact with contact information;

2. The status of your compliance with permit conditions and performance standards, an assessment of the appropriateness of the identified BMPs, progress toward achieving the statutory goal of reducing the discharge of pollutants to the MEP, and the measurable goals for each of the minimum control measures. The report shall also include a summary of the specific annual reporting requirements identified for each minimum control measure in Part III.B.1.d, Part III.B.2.d, Part III.B.3.k, Part III.B.4.d, Part III.B.5.g and Part III.B.6.f;

3. Results of information collected and analyzed, if any, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;

4. A summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule);

5. Proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements;

6. Identify and summarize any variances granted under your storm water program regulations and requirements.

PART V. STANDARD PERMIT CONDITIONS

A. Duty to Comply

You shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of ORC 6111 and is grounds for enforcement action.

Ohio law imposes penalties and fines for persons who knowingly make false statements or knowingly swear or affirm the truth of a false statement previously made.

B. Continuation of the Expired General Permit

An expired general permit continues in force and effect until a new general permit is issued.

C. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for you in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty to Mitigate

You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Duty to Provide Information

You shall furnish to the director, within seven days or as indicated in the written request, any information which the director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. You shall also furnish to the director upon request copies of records required to be kept by this permit.

F. Other Information

If you become aware that you failed to submit any relevant facts or submitted incorrect information in the NOI, SWMP, or in any other report to the director, you shall promptly submit such facts or information.

G. Signatory Requirements

All NOIs, SWMPs, reports, certifications or information submitted to the director shall be signed.

1. These items shall be signed as follows:

    a. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

        i. A president, secretary, treasurer or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

        ii. The manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can assure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

    b. For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

    c. For a municipality, State, Federal or other public agency; by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (1) the chief executive officer of the agency, or (2) a senior

executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of U.S. EPA).

2. All reports required by the permits and other information requested by the director shall be signed by a person described in Part V.G.1 of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described in Part V.G.1 of this permit and submitted to the director;

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

   c. The written authorization is submitted to the director.

3. *Changes to authorization*. If an authorization under Part V.G.2 of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part V.G.2 of this permit must be submitted to director prior to or together with any reports, information or applications to be signed by an authorized representative.

4. *Certification*. Any person signing documents under Parts V.G.1 or V.G.2 of this permit shall make the following certification:

   > "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

5. *Falsification.* Ohio law imposes penalties and fines for persons who knowingly make false statements or knowingly swear or affirm the truth of a false statement previously made.

H. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privilege, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

I. Proper Operation and Maintenance

You shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by you to achieve compliance with the conditions of this permit and with the conditions of your SWMP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by you only when the operation is necessary to achieve compliance with the conditions of this permit.

J. Inspection and Entry

You shall allow Ohio EPA or an authorized representative upon the presentation of credentials and other documents as may be required by law, to do any of the following:

1. Enter your premises at reasonable times where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment) practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

K. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

L. Permit Transfers

Permit transfers shall be in accordance with OAC 3745-38-02(K).

M. Anticipated Noncompliance

You shall give advance notice to Ohio EPA of any planned changes in the permitted small MS4 or activity which may result in noncompliance with this permit.

N. State Environmental Laws

No condition of this permit shall release you from any responsibility or requirements under other environmental statutes or regulations.

O. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

P. Procedures for Modification or Revocation

Permit modification or revocation will be conducted in accordance with OAC Chapter 3745-38.

Q. Requiring an Individual Permit or an Alternative General Permit

1. *Request by permitting authority*. Ohio EPA may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or coverage under an alternative NPDES general permit. Any interested person may petition Ohio EPA to take action under this paragraph. Where Ohio EPA requires you to apply for an individual NPDES permit or coverage under an alternative NPDES general permit, Ohio EPA will notify you in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for you to file the application, and a statement that

on the effective date of issuance or denial of the individual NPDES permit or the alternative NPDES general permit coverage as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Ohio EPA may grant additional time to submit the application upon request of the applicant. If you fail to submit in a timely manner an individual NPDES permit application or an NOI for coverage under an alternative NPDES general permit as required by Ohio EPA under this paragraph, then the applicability of this permit to you is automatically terminated at the end of the day specified by Ohio EPA for application submittal.

2. *Request by permittee.* Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, you must submit an individual application in accordance with the requirements of OAC Chapter 3745-33, with reasons supporting the request, to Ohio EPA. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by you are adequate to support the request.

3. *General permit termination*. When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or you are authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the MS4 is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to an operator otherwise subject to this permit, or the operator is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the MS4 is automatically terminated on the date of such denial, unless otherwise specified by Ohio EPA.

R. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under section 311 of the CWA or 40 CFR Part 112. 40 CFR Part 112 establishes procedures, methods and equipment and other requirements for equipment to prevent the discharge of oil from non-transportation-related onshore and offshore facilities into or upon the navigable surface waters of the state or adjoining shorelines.

S. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

T. Bypass

The provisions of 40 CFR Section 122.41(m), relating to “Bypass,” are specifically incorporated herein by reference in their entirety. For definition of “Bypass,” see Part VI.

U. Upset

The provisions of 40 CFR Section 122.41(n), relating to “Upset,” are specifically incorporated herein by reference in their entirety. For definition of “Upset,” see Part VI.

V. Monitoring and Records

The provisions of 40 CFR Section 122.41(j), relating to “Monitoring and Records,” are specifically incorporated herein by reference in their entirety.

W. Reporting Requirements

The provisions of 40 CFR Section 122.41(l), relating to “Reporting Requirements,” are specifically incorporated herein by reference in their entirety.

PART VI. DEFINITIONS

All definitions contained in Section 502 of the Act and 40 CFR 122 shall apply to this permit and are incorporated herein by reference. For convenience, simplified explanations of some regulatory/statutory definitions have been provided, but in the event of a conflict, the definition found in the Statute or Regulation takes precedence.

Please see the following web site for Federal and State laws related to Ohio EPA's Division of Surface Water: http://epa.ohio.gov/dsw/dswrules.aspx.

Please see the following web site for Storm Water Program forms and other guidance documents associated with this general permit: http://epa.ohio.gov/dsw/storm/index.aspx.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of surface waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. For guidance, please see U.S. EPA's National Menu of BMPs at http://water.epa.gov/polwaste/npdes/swbmp/index.cfm.

Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

Control *Measure*, as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to surface waters of the state.

CWA or *The Act* means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et. seq.

Director means the director of the Ohio Environmental Protection Agency.

Discharge, when used without a qualifier, refers to "discharge of a pollutant" as defined at 40 CFR 122.2.

Green Infrastructure means wet weather management approaches and technologies that utilize, enhance or mimic the natural hydrologic cycle processes of infiltration, evapotranspiration and reuse. For guidance, please see http://water.epa.gov/infrastructure/greeninfrastructure/.

Illicit Connection means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge is defined at 40 CFR 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not entirely composed of storm water, except discharges authorized under an NPDES permit (other than the NPDES permit for discharges from the MS4) and discharges resulting from fire-fighting activities.

Large MS4 means all municipal separate storm sewer systems that are located in an incorporated place with a population of two hundred fifty thousand or more as determined by the 1990 census by the United States bureau of census.
Larger Common Plan of Development or Sale means a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one plan.

Medium MS4 means all municipal separate storm sewer systems that are located in an incorporated place with a population of one hundred thousand or more, but less than two hundred fifty thousand as determined by the 1990 census by the United States bureau of census.

MEP is an acronym for "Maximum Extent Practicable," the technology-based discharge standard for Municipal Separate Storm Sewer Systems to reduce pollutants in storm water discharges that was

established by CWA §402(p). A discussion of MEP as it applies to small MS4s is found at 40 CFR 122.34.

MS4 means municipal separate storm sewer system which means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that are:

- Owned or operated by the federal government, state, municipality, township, county, district, or other public body (created by or pursuant to state or federal law) including special district under state law such as a sewer district, flood control district or drainage districts, or similar entity, or a designated and approved management agency under section 208 of the act that discharges into surface waters of the state; and
- Designed or used for collecting or conveying solely storm water,
- Which is not a combined sewer, and
- Which is not a part of a publicly owned treatment works.

NOI is an acronym for "Notice of Intent" which means the mechanism used to "register" for coverage under a general permit.

Non-traditional MS4 means systems similar to separate storm sewer systems in municipalities, such as systems at military bases, hospitals, public universities or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewer systems in very discrete areas such as individual buildings.

Off-Lot Home Sewage Treatment System (HSTS) means a system designed to treat home sewage on-site and discharges treated wastewater off-lot.

Ohio EPA means the Ohio Environmental Protection Agency.

On-Lot Home Sewage Treatment System (HSTS) means a system designed to treat home sewage on-lot with no discharges leaving the lot.

Outfall from an MS4 means a point source at the point where a municipal separate storm sewer discharges to surface waters of the state and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels or other conveyances that connect segments of the same stream or other surface waters of the state and are used to convey waters of the state.

Small MS4 means all municipal separate storm sewer systems that are neither a large MS4 nor a medium MS4.

Storm Water is defined at 40 CFR 122.26(b)(13) and means storm water runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Management Program (SWMP) refers to a comprehensive program to manage the quality of storm water discharged from the municipal separate storm sewer system.

Surface Waters of the state means all streams, lakes, reservoirs, ponds, marshes, wetlands, or other waterways which are situated wholly or partly within the boundaries of the state, except those private waters which do not combine or affect a junction with a surface water. Waters defined as sewerage systems, treatment works, or disposal systems in Section 6111.01 of the ORC are not included.

SWMP is an acronym for "Storm Water Management Program."

Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly

designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

"*You" and "Your"* as used in this permit is intended to refer to the permittee, the operator, or the discharger as the context indicates and that party's responsibilities (e.g., the city, the village, the county, the township, the flood control district, the university, etc.

APPENDIX D

MS4 MAP

OUTFALL	LATITUDE	LONGITUDE
N-A	40.066189	-82.448974
N-B	40.066142	-82.447758
N-C	40.066094	-82.447189
N-D	40.065794	-82.447196
N-E	40.066379	-82.445178
N-F	40.066424	-82.445232
N-G	40.067134	-82.444056
N-H	40.068013	-82.443499
N-I	40.06836	-82.443096
N-J	40.07106	-82.442672
N-K	40.071341	-82.443213
N-L	40.071632	-82.443459
N-M	40.072593	-82.44366
N-N	40.068891	-82.440625

Legend

- Water Quality Best Management Practice (BMP)
- Stormwater Management Basin
- Stream
- Ditch
- Storm Mains
- Storm Sewer Manhole
- Storm Sewer Inlet
- Storm Sewer Headwall/Culvert
- Stormwater Outfall
- Stormwater Surcharge Basin Overflow
- Storm Sewer Structure (No GPS)
- Future Storm Main
- Future Storm Structure
- Surcharge Basin
- Future Basin
- Future Residential Building
- Maintenance Facility
- Parcels
- COTC \ OSU-Newark
- T J Evans Foundation
- LCF Parks LLC
- 5' Contours (OSIP, 2006)

CITY OF NEWARK, LICKING COUNTY, OHIO

OSU - NEWARK STORM WATER FACILITY MAP

0 75 150 300 Feet

EMH&T
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

Date: July 2016
Scale: 1" = 150'
Job No: 2016-0059
Sheet: 1 of 1

Path: J:\20160059\GIS\OSU-Newark_MS4.mxd

APPENDIX E

STORMWATER OUTFALL DRY WEATHER SCREENING FORMS

The Ohio State University
Storm Water Management Program
Outfall Inspection Form

Location Information

Date: Inspector:
Time:
Outfall ID:
Outfall Location:
Receiving Water Body:
Structure Type: Shape: Material:
Weather: Approximate Temp: Wind Present: Yes No
Precipitation in past 3 days: Yes No
Flow: None Trickle Steady High
Color (if flow is present):
Source of flow: Groundwater Irrigation Condensate Residual SW Unknown

Inspection Information

Obvious Debris/Pollution:	Odor:	Water Clarity:
None	None/Natural	Clear
Brownish Foam	Musty	Cloudy
Floating Green Scum	Sewage/Septic	Opaque
Oil/Film/Sheen		
Organic Material (plant debris, dead animals)		
Trash and Debris		
Foam		
Sewage Material		

Additional Information

Sediment in structure/channel: Open ¼ Full ½ Full ¾ Full Plugged
Sediment around outfall: Yes No
Structure Condition: Excellent Good Fair Poor
Litter present in area: Yes No
Erosion on adjacent hillsides, ditch or channel sides: Yes No
Nearby activities that could impact storm water quality or river: Yes No
Description of activities:
General Comments:

Dry Weather Flow Test Results

Total Cl_2 Residual: _____ ppm; Phenols:_____ ppm; Total Cu:_____ ppm

Detergents: _____ ppm; pH: _____ Turbidity: LOW MEDIUM HIGH

THE OHIO STATE UNIVERSITY

APPENDIX F

SPILL REPORTING AND RESPONSE PROCEDURES AND REPORTING FORM

SPILL/RELEASE/DISCHARGE RESPONSE PROCEDURES

STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

Discovery and Notification

In the event of a spill, the OSU Newark Personnel who discover the spill, release, or discharge, should immediately follow these steps:

1. Contact the team leader and alert him/her of the situation. Take immediate action under the direction of the Team Leader.
2. If the Team Leader is unavailable, take immediate action until support arrives.
3. If not already performed, follow the Emergency Notification Procedures for a "reportable quantity" as outlined below:

    a. A spill/release/discharge that constitutes a "reportable quantity" will be reported by OSU Newark to the appropriate authorities as designated in the table belowfollowing assessment, control and containment, and cleanup of the spill/release/discharge. Information reported will include, but not be limited to, the following:

        i. Name and owner of the facility;
        ii. Location(address) and phone number of the facility;
        iii. Date and time of spill/release/discharge;
        iv. Estimate of the quantity of material spilled/released/discharged;
        v. Description of all affected media;
        vi. Cause(s) of the spill/release/discharge;
        vii. Damages and/or injuries including whether or not an evacuation of the facility was performed as a result of the spill/release/discharge;
        viii. Actions used to control and/or contain, stop, remove, and mitigate the spill/release/discharge;
        ix. Preventative measures implemented to minimize a recurrence of the spill/release/discharge; and
        x. Individuals/organizations contacted.

4. The Team Leader has the authority to contact outside regulatory agencies. Any OSU personnel contacted by emergency personnel and/or regulatory agency representatives must direct the individual to the Team Leader.

Response Procedures

To prevent further spillage from the unit and to contain any spilled material, do one or more of the following:

- Plug or patch a leak.
- Apply absorbent materials to the spilled material.
- Construct a containment berm to contain or direct spilled material.
- Block or plug potentially affected catch basins or drainage routes.

If the spill has ocurred at a secondary containment system:

- N+Make sure the secondary containment structure is not leaking, overflowing, or malfunctioning.
- If a problem is identified with the secondary containment structure, use the tasks listed above to contained spilled material.

Spill kits are stored in the office and throughout campus as near to storage facilities as practicible.

In addition to the previously discussed general response procedures, follow the precautions listed below:

- Personnel should avoid breathing vapors, keep upwind from the spill, and wear boots, protective gloves, and goggles.
- Keep sparks, flames, and other sources of ignition away from spill.
- Water spray can be used to knock down vapors, where appropriate.
- Any materil which may have contacted the body should be washed away with copious amounts of water or soap and water.
- Small quantity spills can be contained and cleaned up using absorbent materials. The contaminated absorbent material should be placed in drums or specially designed containers for proper off-site disposal.
- Large quantity spills should be contained by berms constructed of absorbent materials, soil, sand, or other suitable materials. The contained spill material can then be removed via vacuum truck or by pumping to drums.

Team Leader Responsibilities

The responsibilities of the Team Leader include the following:

- Obtain information concerning the spill from the person reporting the spill. This information should include the person's name and telephone number, the location of the spill, type of material spilled, an estimate of the quantity of material spilled, and the time of occurance.
- Insure that all catch basins near the spill are sealed.
- Insure that absorbents and/or berms are constructed around the spill, as necessary, to limit the affected area, and obtain any material, equipment, or personnel necessary to confine or limit a spill.
- Insure that action is taken to stop further spillage from the unit.
- If appropriate, request modifications or temporary certailment of operations, as required, consistent with university personnel and equipment safety.
- Direct cleanup activities including proper disposal of generated clean up material.
- Dispatch watchmen, as required, to potentially affected university facilities and storm water catch basins. The watchmen will maintain contact with the Team Leader and report on spill containment as directed by the Team Leader.
- Dependent on spill quantity and extent, contact the regulatory agencies to the spill site, if necessary.
- Comply with the reporting and written notice procedures required by Federalm State, and local agengies.

REGULATORY AGENCY CONTACTS
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

SOURCE	AGENCY AND CONTACT INFORMATION
FEDERAL	U.S. EPA Region V 77 West Jackson Blvd. Chicago, IL 60604 312-353-2000 National Response Center – 800-424-8802
STATE	Ohio EPA Spill Response Center 800-282-9378 or 614-224-0946
COUNTY	Licking County Public Health Department R. Joseph Ebel, Health Commissioner 675 Price Road Newark, Ohio 43055 (740) 349-6535 Licking County Emergency Management Agency Sean Grady, Director 155 East Main Street Newark, Ohio 43055 (740) 670-5577 Licking County Sheriff's Office: (740) 670-5555
CITY	Newark Police Department: (740) 670-7200
THE OHIO STATE UNIVERSITY	Environmental Health and Safety (EHS): 1314 Kinnear Road Columbus, Ohio 43212 (614) 292-1284 (614) 370-0416 (Emergency Response Team)
SOLID WASTE HAULER	Rumpke Waste and Recycling Services Maureen Hales, Account Specialist 1191 Fields Avenue Columbus, Ohio 43201 (614) 421-0091
SPECIAL CLEAN-UP	First Response Craig Young, President 285 Manning Street Newark, Ohio 43055 (740) 345-4911

SPILL/RELEASE/DISCHARGE REPORTING FORM

STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

Facility Location: _____ Phone Number: _____

Date of Spill/Release/Discharge: _____ Time of Spill/Release/Discharge: _____

Type of Material Spilled/Released/Discharged: _____

Estimated Quantity Spilled/Released/Discharged: _____

Description of All Affected Media: _____

Cause(s) of Spill/Release/Discharge: _____

_____

_____

_____

_____

Damages and/or Injuries: _____ Evacuation? Yes: ____ No: _____

Corrective Actions and/or Countermeasures (Include equipment repairs and/or replacements): _____

_____

_____

_____

_____

Preventive Measures Implemented to Minimize Recurrence: _____

_____

_____

_____

_____

Individuals/Organizations Contacted: _____

_____

NOTES: Attach additional sheets as necessary.

THE OHIO STATE UNIVERSITY

APPENDIX G

EROSION AND SEDIMENT CONTROL INSPECTION FORM

OSU NEWARK
EROSION AND SEDIMENT CONTROL INSPECTION

PROJECT: _____

Date:	**Time Arrived:**
Inspector:	
Site Contact:	

Site Conditions:
Construction Activity:

Construction Exit	
• Has a stabilized exit been established?	Yes – No – N/A
• Is the exit blocking existing drainage?	Yes – No – N/A
• Does the exit need top dressed with additional stone?	Yes – No – N/A
• Is mud noted on offsite streets?	Yes – No – N/A
Comments:	

Concrete Washout Area	
• Has a designated area been established?	Yes – No – N/A
• Is washwater overflowing?	Yes – No – N/A
Comments:	

Perimeter Controls	
Sediment Fence	
• Has sediment fence been properly installed – trenched, backfilled, tight?	Yes – No – N/A
• Are gaps present in the fence or runoff flowing around the ends?	Yes – No – N/A
• Does fence need installed or repaired?	Yes – No – N/A
Comments:	

OSU NEWARK
EROSION AND SEDIMENT CONTROL INSPECTION

Project: _____ **Date: _____**

Storm Sewer Inlet Protection	
• Have inlets been protected?	Yes – No – N/A
• Are they damaged or in need of replacement?	Yes – No – N/A
• Does accumulated sediment need removed from the protection?	Yes – No – N/A
Comments:	

Soil Stabilization	
• Does it appear that disturbed areas have been idle for more than 14 days?	Yes – No – N/A
• Are disturbed areas present within 50’ of a stream?	Yes – No – N/A
• Are disturbed areas present that are to remain idle over the winter?	Yes – No – N/A
• Are soil stockpiles present on site?	Yes – No – N/A
• Does it appear that areas are at final grade and need stabilized?	Yes – No – N/A
Comments:	

Sediment Basin	
• Has the outlet dewatering structure been installed?	Yes – No – N/A
• Is the outlet structure perforated or skimmer used?	Yes – No – N/A
• Has the basin embankments been stabilized?	Yes – No – N/A
• Are temporary diversions being used to direct runoff into the basin?	Yes – No – N/A
• Does the basin appear to dewater between rain events?	Yes – No – N/A
• Does accumulated sediment within the basin need removed?	Yes – No – N/A
Comments:	

OSU NEWARK
EROSION AND SEDIMENT CONTROL INSPECTION

Project: _____ **Date: _____**

Additional Comments:
NOTE: Attach pictures of noted violations to the report

Inspector Signature _____

THE OHIO STATE UNIVERSITY

APPENDIX H

POST-CONSTRUCTION WATER QUALITY INSPECTION FORM

OSU Newark Campus
Operation and Maintenance Inspection Report for Stormwater Basins

Inspector Name_____

Inspection Date/Time _____

BMP Type and Location _____

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
Pond Components				
1. Embankment and Emergency Spillway				
a. Adequate vegetation and ground cover				
b. Embankment erosion				
c. Animal burrows				
d. Unauthorized plantings				
e. Cracking, bulging, or sliding of embankment				
i. Emergency spillway				
f. Leaks on downstream embankment				
g. Abutment protection or riprap failures				
h. Visual settlement or horizontal misalignment of top of embankment				
i. Other (specify)				
2. Riser, principal spillway and control structure (catch basin, manhole, riser pipe, etc.)				
Type: Reinforced concrete				
a. Orifice(s) obstructed				
b. Trash rack(s) i. Debris removal necessary				
ii. Corrosion control				
c. Sediment accumulation inside riser or control structure				
d. Concrete/Masonry condition riser				
i. Cracks or displacement				
ii. Minor spalling (<1")				
iii. Major spalling (rebars exposed)				
iv. Joint failures				
v. Water tightness				

Inspection Items	Checked? Yes/No	Maintenance Needed? Yes/No	Inspection Frequency	Comments
E. Other (specify)			BA	
3. Permanent pool (wet ponds)				
a. Floating or floatable debris removal required				
b. Visible pollution				
c. Shoreline problems				
d. Sediment accumulation				
e. Other (specify)				
4. Condition of outfalls into and out of pond				
a. Storm drain pipes				
b. Endwalls/headwalls				
c. Other (specify)				
7. Other				
a. Encroachments on ponds or easement area				
b. Aesthetics				
i. Grass height				
ii. Graffiti removal necessary				
c. Any public hazards (specify)				
d. Maintenance access				
e. Monitor mosquito larvae presence (seasonal)				
b. Evidence of invasive species				
c. Excessive sedimentation in wetland area				

Inspection Frequency Key: B A = Bi-Annual

Adapted from: Georgia Stormwater Management Manual – Adapted from Watershed Management Institute, Inc. (1997)

SUMMARY

CERTIFICATION STATEMENT

I CERTIFY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION ON THIS FORM AND BELIEVE THE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

_____	_____	_____
Authorized Representative Signature	*Title*	*Date*

THE OHIO STATE UNIVERSITY

APPENDIX I

MAINTENANCE FACILITY SWPPP

THE OHIO STATE UNIVERSITY

THE OHIO STATE UNIVERSITY / CENTRAL OHIO TECHNICAL COLLEGE
NEWARK MAINTENANCE FACILITY
STORM WATER POLLUTION PREVENTION PLAN

JULY 13, 2016

ENVIRONMENTAL, HEALTH & SAFETY
1314 KINNEAR RD, COLUMBUS OH 43212
614.292.1284
EHS.OSU.EDU

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained 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."

Signature _____

Name _____

Title _____

Date _____

DEPARTMENT OF ENVIRONMENTAL, HEALTH & SAFETY
THE OHIO STATE UNIVERSITY / CENTRAL OHIO TECHNICAL COLLEGE NEWARK MAINTENANCE FACILITY
STORM WATER POLLUTION PREVENTION PLAN
JULY 13, 2016

TABLE OF CONTENTS

TABLE OF CONTENTS (CONTINUED)

FIGURES

TABLES

APPENDICES

ATTACHMENTS

DEPARTMENT OF ENVIRONMENTAL, HEALTH & SAFETY
THE OHIO STATE UNIVERSITY / CENTRAL OHIO TECHNICAL COLLEGE NEWARK MAINTENANCE FACILITY
STORM WATER POLLUTION PREVENTION PLAN
JULY 13, 2016

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 FACILITY DESCRIPTION

A new campus maintenance facility was constructed in 2015 along the southern side of University Drive. The facility is used to store chemicals, equipment, and fuel that are used to maintain the 166 acre campus.

In meeting the requirements of the Ohio EPA's Small Municipal Separate Storm Water System (MS4) NPDES general permit, A Storm Water Pollution Prevention Plan (SWPPP) is required to be prepared for the recently constructed maintenance facility. The SWPPP is required to be prepared in accordance with the Ohio EPA's Multi-Sector General Permit #OHR00005 that is associated with industrial stormwater pollution prevention. The maintenance facility is not considered an industrial operation, and therefore is not subject to the industrial sector-specific requirements of the general permit. The permit requires the SWPPP to be prepared for the facility in meeting the general stormwater pollution prevention requirements. This SWPPP was prepared to comply with those requirements and was prepared in accordance with good engineering practices.

This SWPPP describes the general activities that occur at the facility, the pollutants stored, and the facility structural and non-structural Best Management Practices that will be implemented to reduce the discharge of pollutants to the maximum extent practicable, to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act (CWA) in accordance with Ohio EPA's Phase II NPDES program. A copy of the SWPPP is required to be retained onsite and made readily available to the Ohio EPA upon request.

The main components of the facility consist of a maintenance building, paved storage pad area, fueling station and waste/recycling dumpsters. The floor drains located within the maintenance building are connected to an oil interceptor that drains to the sanitary sewer. Runoff from the paved storage pad area is tributary to a stormwater management infiltration basin. Runoff and spills near the fueling station will be managed by an additional oil interceptor that is tributary to the stormwater basin. The location of these facility features have been identified on a site map (Attachment 1) for reference.

General activities that occur at the facility and are subject to the SWPPP consists of the following:

- Equipment/vehicle fueling
- Equipment/vehicle storage and minor maintenance
- Deicing chemical and fertilizer/pesticide storage
- Temporary waste/recycling material storage

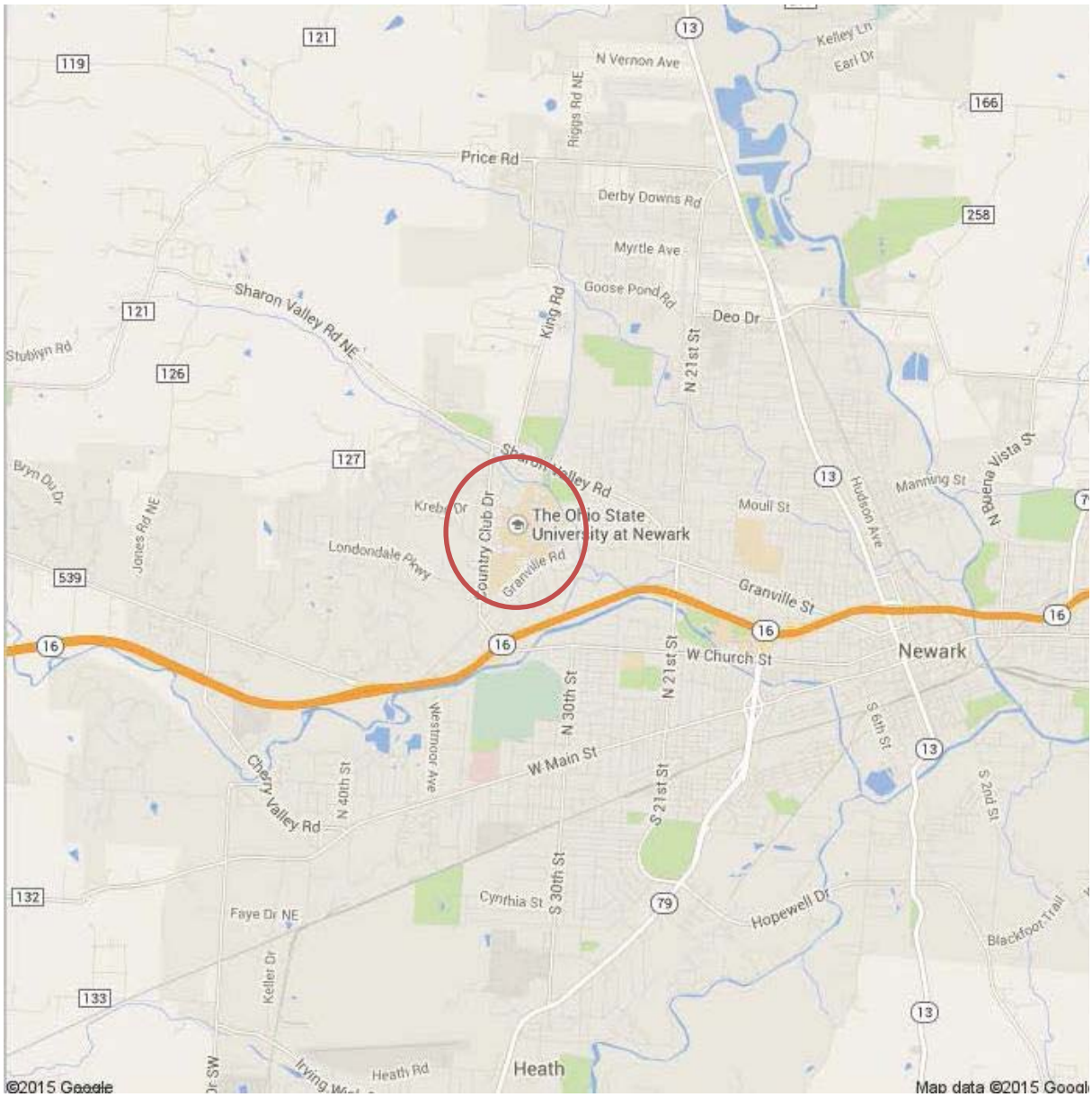


Figure 1 – Site Location Map

A site map (Attachment 1) has been included within the SWPPP that identifies the locations of the facilities structural Best Management Practices and stormwater outfall.

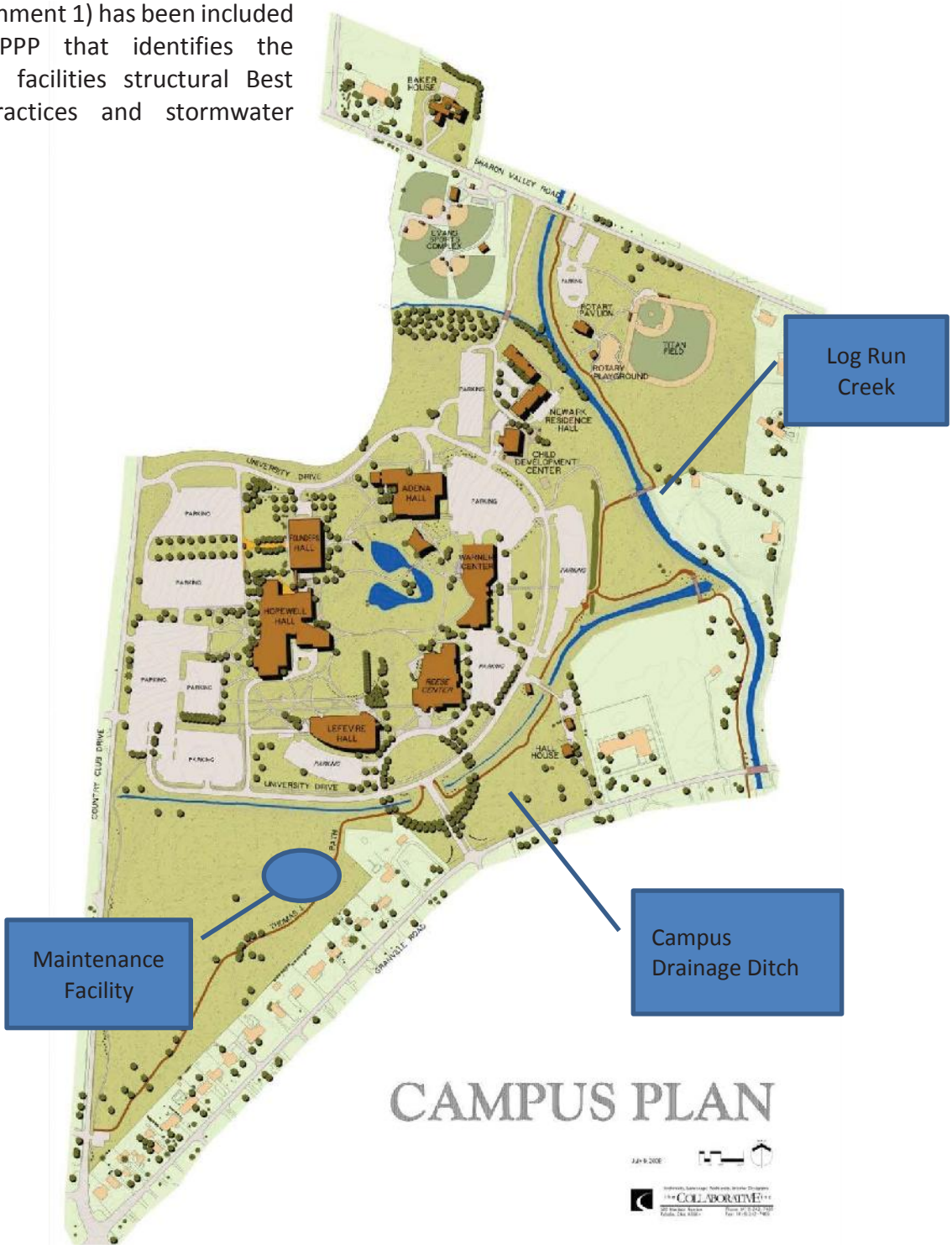


Figure 2 – Campus Plan

1.2 STORMWATER POLLUTION PREVENTION TEAM

The Stormwater Pollution Prevention Team will have the responsibilities of developing, implementing, maintaining, and revising, as necessary, the Maintenance Facility SWPPP. The Stormwater Pollution Prevention Team will be directed by the Team Leader who will have the authority for implementing the provisions of the SWPPP on behalf of OSU and committing the resources of OSU in the event of a spill/release/discharge that has the potential to contaminate stormwater at the facility. The Team Leader will also have the authority to initiate emergency response(s) and the required notification to outside spill contractors and regulatory agencies.

The Stormwater Pollution Prevention Team identified for the facility, including their responsibilities and telephone numbers, is provided in the following list.

STORMWATER POLLUTION PREVENTION TEAM:

Team Leader
Kent Halloran, Safety/Water Compliance Engineer
(614) 292-5529 (o) (260) 615.2598 (m)

- Implementation and maintenance of existing and new storm water Best Management Practices (BMPs).
- Development, implementation, maintenance, and revision.
- Responsible for coordinating with the SWPPP signatory and certification personnel.
- Reporting authority for the SWPPP.
- Recommends commitment of OSU resources in the event of a spill/release/discharge.
- Notification of outside contractors and regulatory agencies in the event of a spill/release/discharge.
- Certification of the Annual Comprehensive Site Compliance Inspection.
- Performing and/or directing the Annual Comprehensive Site Compliance Inspection.
- Performing and/or directing stormwater discharge quarterly assessments.
- Performs training required by the SWPPP.

Secondary Contact
Tom Novotny, Director of Environmental Affairs:
(614) 294-1500 (o)

- Performs the duties of the Team Leader in the Team Leader's absence.
- Approves the commitment of OSU resources.

Local Contact

Brian Boehmer, Superintendent

(740) 364-9535 (o)

- Implementation and maintenance of existing and new storm water Best Management Practices (BMPs).
- Commitment of OSU Newark campus resources in the event of a spill/release/discharge.
- Notification of outside contractors in the area as necessary in the event of a spill/release/discharge.
- Assisting with the performance of the Annual Comprehensive Site Compliance Evaluation.
- Performing and/or directing stormwater discharge quarterly assessments.

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 FACILITY ACTIVITIES

This section of the SWPPP Plan describes potential sources and areas at the facility with a reasonable potential for containing significant amounts of pollutants. The intent of this section is to identify potential facility sources of storm water pollution caused by handling, storage, and production operations at the facility.

Listed below are general sources or activities associated with the maintenance facility, and an example of everyday activities and operations that could introduce pollutants into surface water.

Table 1 – Potential Pollutant Sources

Activity/Source	Potential Pollutants of Concern
Equipment/Vehicle storage and minor maintenance	Wash water, paint, cleaning products, vehicle maintenance and cleaning chemicals, deicing chemicals (magnesium chloride) and sediment
Equipment/Vehicle fueling	Petroleum fuels
Chemical storage	Paint, deicing chemicals, vehicle maintenance and cleaning chemicals, fertilizers and pesticides
Grounds maintenance	Pesticides, herbicides, fertilizers, and green waste
Trash storage areas	Organic materials, hazardous materials, and free debris
Impervious areas	Increased storm water flow and overload of pollutants
Parking lot runoff	Oil and grease, litter, heavy metals
Erosion	Sediment

Potential stormwater pollutants at the facility include the following:

- Petroleum fuels (volatile organic compounds, semi-volatile organic compounds and petroleum hydrocarbons)
- Petroleum oil and greases (semi-volatile organic compounds and petroleum hydrocarbons)
- Deicing chemicals
- Grounds maintenance activity chemicals, such as pesticides, herbicides, and fertilizers

2.1.1 MAINTENANCE BUILDING

The main component of the maintenance facility consists of a building with floor drains that are connected to the sanitary sewer. All chemicals are stored within the maintenance building in a specified area that provides secondary containment to help control accidental spills. OSU Newark does not store many chemicals and those that are stored are in containers that can be easily stored on suitable shelving that provides containment as well as security. No maintenance chemicals are stored outdoors.

The interior of the central maintenance area is well organized. Campus personnel must continue to maintain the cleanliness and organization of this facility. The facility does provide an area where chemicals are safely stored. The chemicals stored include:

- Rock salt for asphalt deicing
- Magnesium Chloride for sidewalk deicing
- Dimension herbicide for crabgrass eradication

Chemical Storage

Minor maintenance of vehicles and equipment used to maintain the campus occur within the maintenance building.

A spill kit is provided within the building. Spills and leaks that occur within the building that are not contained and cleaned with the spill kit are collected by the floor drains that are connected to an oil interceptor prior to discharging into the sanitary sewer.

2.1.2 STORAGE PAD

A paved storage pad is located along the southern side of the maintenance building. The pad is used to store equipment, vehicles, palletized bags of salt, and landscaping materials such as soil and mulch. Stormwater runoff from the storage pad area is tributary to the stormwater management basin located along the eastern perimeter of the facility. Campus personnel will routinely clean the impervious area and inspect vehicles and equipment for leaks that will minimize the amount of pollution that will mix with stormwater runoff and flow into the stormwater management basin.

Outdoor Storage Pad

2.1.3 WASTE & RECYCLING DUMPSTERS

Dumpsters for the temporary storage of wastes and recycling material are located at the southeast corner of the storage pad. A contractor routinely empties the dumpsters and hauls the material to an appropriate landfill or recycling center. Facility staff will routinely inspect the dumpsters to ensure they are covered and temporarily stored material is not exposed to

stormwater. Stormwater runoff and/or leaks from the dumpster area is tributary to a storm sewer inlet that is connected to an oil interceptor near the fuel pump station.

Covered Dumpsters

2.1.4 FUEL PUMP STATION

The pump station is located at the southeast corner of the storage pad. The facility maintains one aboveground storage tank (AST) at the location for refueling the vehicles and equipment. The diesel fuel and gasoline are stored in a single 1,000-gallon tank, which is divided to hold 500 gallons of each type of fuel. The tank is a double-wall tank designed to provide secondary containment. The dispensers are protected from accidental impacts by steel bollards and chain link fence.

Diesel fuel and gasoline are stored in one AST at the fuel station. All other activities associated with vehicle maintenance are conducted inside the maintenance building. This AST is constructed of materials compatible with the fuels they store. The tanks are used to fuel grounds keeping equipment and vehicles used by the maintenance personnel on the campus.

Exposure of storm water to the diesel fuel and gasoline would most likely occur as a result of spills during tank filling and fueling activities. Exposure of storm water to diesel fuel or gasoline could occur due to leaks/failure of the dispenser, hose, and/or nozzle. Leaks associated with the

dispenser, nozzle and/or hose would be considered minor and could be contained and cleaned up by OSU maintenance personnel. Exposure to storm water is regarded as minimum related to a nozzle and/or hose leak.

Fuel Pump Station

Noted leaks and spills will be addressed with the spill kit that is located within the maintenance building. Spills and leaks that are not contained will flow into the storm sewer inlet that is adjacent to the tanks and into an oil interceptor.

2.2 SPILLS AND LEAKS

The current maintenance facility was constructed in 2015 and no reported spills, releases, discharges, and/or leaks of materials including toxic and/or hazardous pollutants have occurred to date. Spill prevention and response procedures are identified within Section 3.4.

2.3 NON-STORMWATER DOCUMENTATION

There is no on-site wastewater treatment system at the OSU Newark campus. Wastewater generated at the facility building is discharged directly to the City of Newark sanitary sewer system, which directs sewage to the City's Wastewater Treatment Plant. The building floor drains are additionally connected to the sanitary sewer system.

2.4 SALT STORAGE

The campus maintenance staff keeps a limited supply of magnesium chloride salt for sidewalk deicing purposes. All salt is stored in the storage building and is not exposed to the weather.

Deicing Chemical Storage

SECTION 3: STORMWATER CONTROL MEASURES

This SWPPP emphasizes pollution prevention rather than treatment of pollutants. Control measures are intended to be minimum requirements of pollution prevention for controlling storm water pollution. If the control measures/ Best management practices (BMPs) are not adequate in preventing storm water pollution, additional control measures or BMPs may be developed to meet the goals of this SWPPP. BMPs utilized at the maintenance facility are discussed below.

3.1 MINIMIZE EXPOSURE

The primary BMP associated with the SWPPP implementation is storing pollutant sources at the facility in a manner where they are not exposed to stormwater. Chemicals used to maintain vehicles and equipment, salt, fertilizers and pesticides are stored within the maintenance building. Waste and recyclable materials are temporarily stored onsite in covered dumpsters. As part of daily activities at the facility, facility personnel will ensure that potential pollutant sources are stored in a manner not to be exposed to stormwater runoff that will flow into the facility infiltration basin.

Maintenance Building Storage

3.2 GOOD HOUSEKEEPING

Good Housekeeping practices are BMPs associated with maintaining a clean and orderly work environment. A clean work environment reduces the possibility of accidental spills caused by mishandling of substances or equipment and should reduce safety hazards to facility personnel. Immediate containment and clean-up of all leaks or spills using absorbent material(s) will be performed by facility personnel. A spill kit is located inside the maintenance building. All contaminated material(s) resulting from cleanup activities will be containerized, labeled, and disposed off-site in a licensed disposal facility permitted to accept the waste material(s).

The following good housekeeping measures are implemented in an effort to prevent pollutants from entering the storm water system at the maintenance facility:

Oil Products - any releases of fuel and/or oil products that occur onsite will be addressed as discussed in Section 3.4 of this Plan. Clean-up of incidental leaks or spills during equipment and vehicle refueling, or as a result of leaks from loading /unloading and transfer vehicles will be performed by facility personnel during or immediately following completion of the associated activity. The most important aspect for maintenance facility personnel is to be aware of leaks or spills during the performance of filling/fueling activities is to not let the leaked or spilled material enter the infiltration basin.

Salt - salt that has spilled on the asphalt during unloading/loading should be swept up and placed back into the storage unit or disposed of immediately after completion of the transfer activities.

Landscaping Chemicals – The Newark Campus contracts the majority of its landscaping chemical application to outside contractors. The limited amount of landscaping and other miscellaneous chemicals are stored within the storage building, protected from the weather.

Litter/Debris – Waste that is noted at the facility will be collected and temporarily disposed of at the covered dumpsters located at the outside storage pad area.

3.3 MAINTENANCE

Vehicles and equipment used to maintain the campus along with the BMPs outlined within the SWPPP shall be regularly inspected, maintained and repaired to avoid pollutant leaks, spills and to ensure that structural controls will function properly. The following maintenance activities should occur at the facility to assist with stormwater pollution prevention.

Fuel Pump Station

- Promptly clean up incidental spills or leak
- Promptly containerize and characterize cleaned up materials and dispose of properly
- Maintain clean fuel-dispensing areas using dry cleanup methods such as sweeping for removal of litter and debris, or use of rags and absorbents for leaks and spills. Do not wash down areas with water
- Service and maintain valves, joints, seals, pumps, piping, etc. regularly
- Promptly repair leaking appurtenances
- Monitor tank loading and material transfer operations
- Make sure all connections are disconnected and pumps, caps, and valves are turned off, replaced, and/or tightened
- Initiate Spill Response and Reporting Procedures on discovery of a spill, release, or discharge
- Periodically test integrity of tank loading and filling equipment
- Report presence of spills, releases, or discharges of material from tanks and appurtenant equipment
- Post signs at the fuel dispenser or fuel island warning vehicle owners/operators against "topping off" of vehicle fuel tanks
- Have a qualified specialist inspect interior and exterior coating for the ASTs. Follow the specialist's recommendations for any restoration /recoating required.

Outdoor Storage Pad

- Do not conduct loading and unloading during wet weather, whenever possible.
- Clean up spills and leaks promptly to avoid spreading contaminants to storm water
- Load/unload only at designated loading areas
- Clean up spilled salt promptly and reuse or dispose of properly
- Check loading and unloading equipment regularly for leaks, including valves, pumps, flange and connections
- Maintain all chemical storage within existing structures to prevent exposure to precipitation

Solid Waste Storage and Recycling Dumpsters

- Segregate materials and transport off-site for disposal or reuse frequently
- Initiate Spill Response and Reporting Procedures on discovery of a spill, release, or discharge
- Inspect storage areas during routine inspections for evidence of leaching and take corrective measures if observed to prevent storm water contamination

- Minimize the amount of materials outside that may be exposed to storm water
- Ensure dumpsters are covered and stored material is not exposed to stormwater

Vehicle/Equipment Maintenance

- Perform routine maintenance i.e. oil changes, brake inspections, etc.
- Inspect for leaks and spills
- Ensure spill kits are readily available and properly stocked with spill/leak containment controls

Storm Water Structures – (i.e. storm drain, catch basin, drop inlet, ditches and swales, etc.)

- Remove debris from the structures and dispose of in waste dumpsters
- Inspect the integrity of structures and make necessary repairs
- Repair eroded areas noted within grass swales/ditches
- Replace grates and covers on structures that are noted to be missing

Oil Interceptor

- Inspect vault for presence of retained oils and sediment/sludge
- Inspect the interceptor outfall during a rain event to note if oils are draining from the unit
- Remove accumulated pollutants with a vacuum pump tanker
- The maintenance frequency can be determined based upon the observations made during the routine facility inspections. The unit should be cleaned annually at a minimum
    - Guidelines for determining when to clean the unit:
        - When sludge accumulates to 25% of the wetted height of the compartment;
        - When oil accumulates to 5% of the wetted height of the compartment; or
        - When 75% of the retention capacity of the compartment is filled.

Stormwater Infiltration Basin

- Inspect the basin to ensure detained runoff is infiltrating within a 72 hour period
- Stabilize eroded areas with permanent grass or install additional rock channel protection
- Remove floatable debris from the basin and place in the covered dumpster
- Inspect the outlet structure grate and pipe and remove debris

3.4 SPILL PREVENTION AND RESPONSE

Spills and leaks are potential contributors to storm water pollutants. Spills are most likely to occur during the loading and unloading of materials managed at the facility. Spill prevention and response procedures for oil-based material at the facility are provided in Appendix A of this SWPPP.

There is a potential for spills to occur in each of these areas during loading and unloading operations. If a spill occurs, facility personnel who noticed the spill shall notify the Team leader and provide the following information:

- OSU Newark Campus employee's identity;
- OSU Newark Campus employee's contact telephone number;
- Date and time of the spill;
- Location of the spill;
- Type of spill (product spilled);
- Cause of spill;
- Estimated quantity of spill;
- Extent of actual and/or potential surface water pollution; and
- Duration of spill (sudden or non-sudden).

The only exception to this initial spill discovery procedure is in the event that there is imminent potential for the spilled material to enter a storm water structure(s) i.e. storm drain, catch basin, drop inlet, diversion ditch or swale, etc., or if the spilled material has already entered a storm water structure(s). Under this scenario, the facility personnel shall cover the storm water structure with sorbent pad(s) and booms and/or use booms to construct a cutoff/diversion to divert the spill and prevent the spill from entering the storm water structure(s) or minimizing the amount of spilled material that can enter the storm water structure(s). Once the immediate threat to the storm water structure(s) is temporarily controlled, the facility personnel can notify the Team Leader. At any point during the initial spill control activity, the facility personnel can solicit the aid of other OSU Newark Campus personnel in the area of the spill.

The facility personnel will perform the standard spill response procedures provided in Appendix A. Copies of the completed Spill/Release/Discharge Reporting forms will be retained in Attachment 6 of this SWPPP.

If the Team Leader believes the OSU Newark Campus personnel cannot adequately clean up the spill, the Team Leader will contact the spill response contractor: First Response at (740) 345-4911 to assist in the spill cleanup efforts.

OSU Newark Campus personnel are aware of areas at the facility where materials and chemicals are stored that have the potential to pollute storm water if leaks, spills, releases, or discharges occur. OSU Newark Campus personnel are trained on how to respond in the event of a spill, leak, release, or discharge as part of the SWPPP Training Program discussed in Section

Spill kits with the materials and equipment required to safely contain and clean up small spills/leaks/releases/discharges are located in strategic areas in the maintenance building and are readily accessible to facility personnel.

Spill Kit

3.5 EROSION AND SEDIMENT CONTROLS

The topography of the maintenance facility is predominately flat with slight slopes trending to the east. Stormwater runoff flows across the paved storage pad, parking areas and access drive into the drainage swale and stormwater management basin. Rock channel protection is located downstream of the basins overflow structure to minimize erosion resulting from the concentrated flow into the drainage ditch. The rock channel protection and vegetated areas associated with the drainage ditches and along the perimeter of the stormwater management basin will be inspected as part of the facility inspection requirements as outlined within Section 4.0. Noted eroded areas will be re-stabilized with vegetated cover or additional rock channel protection installed.

3.6 MANAGEMENT OF RUNOFF

Stormwater runoff from the facility is conveyed by storm sewers and drainage swales into an infiltration basin located along the eastern perimeter of the site. The basin provides stormwater detention, or peak flow control, per the City of Newark's stormwater management requirements and water quality treatment per the Ohio EPA's General Permit associated with construction site stormwater runoff. The basin was designed to infiltrate the runoff into the native soils located at the bottom of the micropool near the northern end of the basin. The native soils have an infiltration rate of 25 inches per hour. The basins overflow structures, above the 100-year storm event, consist of a storm sewer catch basin structure with a grate and a 10 foot wide overflow weir. The basin will additionally collect floatables and debris that can be removed from the basin as part of the routine site inspection and maintenance activities.

Stormwater Infiltration Basin

3.7 EMPLOYEE TRAINING

Another important element in preventive maintenance is the proper education and training of facility personnel who are involved in the operations and activities conducted in the areas described in this SWPPP. These include OSU personnel responsible for the operation and/or maintenance of equipment and vehicles, storage and management of raw materials (salt), fueling activities, deicing operations, and solid waste management and loading and unloading of

materials. Environmental Health and Safety has an annual in person or online employee training program that informs campus personnel of the components and goals of the SWPPP. New employees working in the previously mentioned disciplines will be required to read the SWPPP and participate in the training program.

The Employee Training Program will include, but not be limited to the following:

- Review of the SWPPP with particular attention paid to revisions/modifications implemented to pollution prevention control measures and BMPs;
- Loading and unloading operations;
- Spill response and reporting;
- Good housekeeping;
- Routine equipment inspection and preventive maintenance;
- Material management practices;
- Refueling operations; and
- Lessons learned from any spill, leak, release, or discharge that may have occurred and the methods used to control, contain, clean-up, and mitigate the spill, leak, release, or discharge.

The Team Leader or his designee will be responsible for conducting new employee training and the annual refresher training. New employees who are involved in activities that may impact storm water quality or spill response should be required to review the SWPPP within two weeks of their initial employment. Training records listing the date, name of personnel attending the refresher training, and personnel signature will be maintained as an attachment to the SWPPP. A training log is included in Appendix D and training records are retained in Attachment 3.

3.8 NON-STORMWATER DISCHARGES

The OSU facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS) will conduct an evaluation of the facility stormwater outfall during dry weather at least once per year as part of the facility annual comprehensive site inspection to assess the integrity of the piping and assess the presence of non-storm water discharges. Reference Section 4.2 for additional details associated with the dry weather screening procures. The results will be recorded on the form included in Appendix C and the completed forms will be retained in this Plan in Attachment 2.

Intermittent non-storm water discharges that may occur at the facility include the following:

- Flushing of municipal waterlines and fire hydrants
- Residential, commercial and agricultural landscape irrigation

- Stream flow diversions
- Groundwater outputs and rising elevations
- Uncontaminated pumped ground water
- Uncontaminated groundwater infiltration
- Potable water source discharges
- Condensation from air conditioning units
- Car washing by individual residents
- Water from street sweeping activities
- Water discharged from firefighting activities

3.9 WASTE, GARBAGE AND FLOATABLE DEBRIS

All waste that is produced or kept onsite will be stored and disposed of properly. All waste disposed at the facility will be stored in covered dumpsters located at the outdoor storage pad. The dumpsters are to be routinely inspected for leaks and the waste hauled offsite in a timely manner. All other waste such as tires and used chemicals should be stored and contained within the maintenance building to limit exposure to stormwater runoff until appropriately removed from the facility.

During site inspections, any visible trash or materials that can become floatable debris should be collected and disposed of properly. Walking the site before and after projected rainfall events can significantly reduce the amount of floatable material that will enter the stormwater management basin or the offsite stream.

3.10 DUST GENERATION AND VEHICLE TRACKING

Pollutants tracked onto impervious surfaces will be removed and properly disposed of offsite. This will reduce the amount of pollutants from mixing with stormwater runoff and flowing into the campus stormwater conveyance features.

SECTION 4: FACILITY INSPECTIONS

The Ohio EPA requires identified SWPPP team personnel to inspect the facility to determine if the Best Management Practices (BMPs) as identified within the SWPPP are being properly maintained. Additionally, the inspector is to note identified pollutant sources that are not being properly managed and evaluate if additional BMPs are to be implemented.

There are two types of required inspections that are to be conducted at the facility:

1. Routine Facility Inspections
2. Comprehensive Site Inspections

4.1 ROUTINE FACILITY INSPECTIONS

The facility is to be routinely inspected at all areas of the facility where potential pollutant sources/materials and activities are exposed to stormwater. Additionally, the BMPs as identified within Section 3 of this SWPPP are to be inspected to ensure they are properly functioning and determine if maintenance is required.

Routine inspections shall be conducted at least on a quarterly basis (i.e. once every three months) and shall be conducted by the OSU facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS). At least once per year, a routine inspection shall be conducted during a period when stormwater discharge is occurring.

Facility areas to be inspected include the following:

- Paved outdoor storage area, access drive and parking;
- Fuel station and oil interceptor;
- Waste and recycling dumpsters; and
- Stormwater management basin and outlet structure.

Routine inspection observations and findings are to be documented on the inspection report provided within Appendix B. Completed reports are to be maintained within Attachment 2 within the SWPPP and made readily available to the Ohio EPA upon request.

The following information and observation results are to be documented within the inspection reports:

- Inspection date and time;
- The name and signature of the inspector;
- Weather conditions and indicate if discharges from the facility were occurring during the time of the inspection;
- Any BMPs that are in need or maintenance or repair;
- Any failed BMPs that are in need of replacement; and
- Identified unmanaged pollutants discharging offsite.

Corrective actions that are required as a result of the observations made during the routine inspections shall be performed within 30 days of when the inspection occurred. A report shall be prepared that identifies the correction actions implemented and completed dates. Completed reports are to be maintained onsite with the SWPPP and made readily available to the Ohio EPA upon request. Additionally, the SWPPP shall be modified as a result of new pollutant sources identified or BMPs installed. Reference Section 6 within the SWPPP for SWPPP modification requirements.

4.2 COMPREHENSIVE SITE INSPECTIONS

Annual Comprehensive Site Inspections will be conducted by the OSU facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS). The inspection will cover the entire facility area affected by the requirements in this SWPPP, including the areas identified as potential pollutant sources (see Section 2.0) where materials or activities are exposed to storm water, areas where control measures/BMPs are used, and areas where spills and leaks have occurred in the past 3 years.

Inspectors will examine the following:

- Industrial materials, residue, or trash that may have or could come into contact with storm water;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas; and,
- Control measures/BMPs needing replacement, maintenance, or repair.

Documentation of the findings of each comprehensive site inspection are to be documented on the inspection report provided within Appendix D. Completed reports are to be maintained within Attachment 5 within the SWPPP and made readily available to the Ohio EPA upon request.

At a minimum, documentation of the comprehensive site inspection will include the following:

- The date of the inspection;
- The name(s) and title(s) of the personnel making the inspection;
- Findings from the examination of areas of the facility identified in Section 4.0;
- All observations relating to the implementation of control measures/BMPs including:
  - Previously unidentified discharges;
  - Previously unidentified pollutants in existing discharges;
  - Evidence of, or the potential for, pollutants entering the drainage system;
  - Additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- Any required revisions to the SWPPP resulting from the inspection;
- A statement signed and certified in accordance with the Ohio EPA's Multi-Sector General Permit.

The Non-Storm Water Discharge Evaluation will be conducted as part of the annual inspections of the facility outfall that is required to maintain compliance with OSU's MS4 permit. This inspection will be conducted at least 72 hours following the last rainfall event. This procedure provides adequate time for rain water to flow through and out of the storm water management basin, therefore minimizing the potential of identifying rain water as a non-storm water discharge.

The Non-Storm Water Discharge Evaluation will include the following information:

- The Date and time of the inspection and evaluation;
- Description of the storm water management system components inspected and evaluated;
- Description of any tests performed to confirm the non-storm water discharge(s);
- The results of the inspection and evaluation; and
- Signature of the individual making the non-storm water discharge certification

A blank Non-Storm Water Discharge Certification form is included in Appendix B. Completed forms will be retained in Attachment 2.

Corrective actions that are required as a result of the observations made during the routine inspections shall be performed within 30 days of when the inspection occurred. A report shall be prepared that identifies the correction actions implemented and completed dates. Completed reports are to be maintained onsite with the SWPPP and made readily available to the Ohio EPA upon request. Additionally, the SWPPP shall be modified as a result of new pollutant sources identified or BMPs installed. Reference Section 6 within the SWPPP for SWPPP modification requirements.

SECTION 5: STORMWATER DISCHARGE QUARTERLY VISUAL ASSESSMENTS

Stormwater discharge quarterly visual assessments shall be conducted at least on a quarterly basis (i.e. once every three months) and shall be conducted by the OSU facility SWPPP Team Leader and/or personnel from OSU's Office of Environmental Health & Safety (EHS).

Once each calendar quarter, collect a storm water sample from the outfall and conduct a visual assessment of the sample. The stormwater outfall is located at the downstream end of the stormwater management basins outlet structure. The location is identified on the Site Map (Attachment 1).

Visual assessment procedures:

- Collect a grab sample in a clean, clear glass, or plastic container, and examine in a well-lit area;
- Samples are to be collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample shall be collected as soon as practicable after the first 30 minutes and you shall document why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples shall be taken during a period with a measurable discharge from the site; and
- For storm events, on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour (3-day) storm interval does not apply if you document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. If it is not possible to collect the sample on discharges that occur at least 72 hours (3 days) from the previous discharge, the sample shall be collected as close to this storm interval as practicable and you shall document why it was not possible to take samples from a 72 hour (3 day) storm interval.

Visually inspect the sample for the following water quality characteristics:

- Color;
- Odor;
- Clarity;
- Floating solids;
- Settled solids;
- Suspended solids;
- Foam;
- Oil sheen; and

- Other obvious indicators of storm water pollution.

Reports shall be completed during the inspection and maintained on-site with the SWPPP for a minimum of three years. Visual observations and findings are to be documented on the report provided within Appendix B and completed forms provided within Attachment 2.

At a minimum, documentation of each visual assessment shall include:

- Sample location(s)
- Sample collection date and time, and visual assessment date and time for each sample;
- Personnel collecting the sample and performing visual assessment, and their signatures;
- Nature of the discharge (i.e., runoff or snowmelt);
- Results of observations of the storm water discharge;
- Probable sources of any observed storm water contamination, and
- If applicable, why it was not possible to take samples within the first 30 minutes and/or from a 72 hour (3 day) storm interval.

Stormwater Infiltration Basin – Facility Outfall

Any corrective action required as a result of a quarterly visual assessment shall be performed within 30 days. A report shall be prepared that identifies the correction actions implemented and completed dates. Completed reports are to be maintained onsite with the SWPPP and made

readily available to the Ohio EPA upon request. Additionally, the SWPPP shall be modified as a result of new pollutant sources identified or BMPs installed. Reference Section 6 within the SWPPP for SWPPP modification requirements.

SECTION 6: SWPPP MODIFICATIONS

This SWPPP is a "living" document and needs to be modified and updated, as necessary, in response to corrective actions as identified during the routine facility inspections, comprehensive site inspections and stormwater discharge quarterly visual assessments.

SWPPP modifications are to be documented on the log provided within Appendix F.

APPENDIX A

BLANK SPILL/RELEASE/DISCHARGE REPORTING FORM
AND
RESPONSE AND REPORTING PROCEDURES FORM

SPILL/RELEASE/DISCHARGE RESPONSE PROCEDURES

STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

Discovery and Notification

In the event of a spill, the OSU Newark Personnel who discover the spill, release, or discharge, should immediately follow these steps:

1. Contact the team leader and alert him/her of the situation. Take immediate action under the direction of the Team Leader.
2. If the Team Leader is unavailable, take immediate action until support arrives.
3. If not already performed, follow the Emergency Notification Procedures for a "reportable quantity" as outlined below:

    a. A spill/release/discharge that constitutes a "reportable quantity" will be reported by OSU Newark to the appropriate authorities as designated in the table belowfollowing assessment, control and containment, and cleanup of the spill/release/discharge. Information reported will include, but not be limited to, the following:

        i. Name and owner of the facility;
        ii. Location(address) and phone number of the facility;
        iii. Date and time of spill/release/discharge;
        iv. Estimate of the quantity of material spilled/released/discharged;
        v. Description of all affected media;
        vi. Cause(s) of the spill/release/discharge;
        vii. Damages and/or injuries including whether or not an evacuation of the facility was performed as a result of the spill/release/discharge;
        viii. Actions used to control and/or contain, stop, remove, and mitigate the spill/release/discharge;
        ix. Preventative measures implemented to minimize a recurrence of the spill/release/discharge; and
        x. Individuals/organizations contacted.

4. The Team Leader has the authority to contact outside regulatory agencies. Any OSU personnel contacted by emergency personnel and/or regulatory agency representatives must direct the individual to the Team Leader.

Response Procedures

To prevent further spillage from the unit and to contain any spilled material, do one or more of the following:

- Plug or patch a leak.
- Apply absorbent materials to the spilled material.
- Construct a containment berm to contain or direct spilled material.
- Block or plug potentially affected catch basins or drainage routes.

If the spill has ocurred at a secondary containment system:

- N+Make sure the secondary containment structure is not leaking, overflowing, or malfunctioning.
- If a problem is identified with the secondary containment structure, use the tasks listed above to contained spilled material.

Spill kits are stored in the office and throughout campus as near to storage facilities as practicible.

In addition to the previously discussed general response procedures, follow the precautions listed below:

- Personnel should avoid breathing vapors, keep upwind from the spill, and wear boots, protective gloves, and goggles.
- Keep sparks, flames, and other sources of ignition away from spill.
- Water spray can be used to knock down vapors, where appropriate.
- Any materil which may have contacted the body should be washed away with copious amounts of water or soap and water.
- Small quantity spills can be contained and cleaned up using absorbent materials. The contaminated absorbent material should be placed in drums or specially designed containers for proper off-site disposal.
- Large quantity spills should be contained by berms constructed of absorbent materials, soil, sand, or other suitable materials. The contained spill material can then be removed via vacuum truck or by pumping to drums.

Team Leader Responsibilities

The responsibilities of the Team Leader include the following:

- Obtain information concerning the spill from the person reporting the spill. This information should include the person's name and telephone number, the location of the spill, type of material spilled, an estimate of the quantity of material spilled, and the time of occurance.
- Insure that all catch basins near the spill are sealed.
- Insure that absorbents and/or berms are constructed around the spill, as necessary, to limit the affected area, and obtain any material, equipment, or personnel necessary to confine or limit a spill.
- Insure that action is taken to stop further spillage from the unit.
- If appropriate, request modifications or temporary certailment of operations, as required, consistent with university personnel and equipment safety.
- Direct cleanup activities including proper disposal of generated clean up material.
- Dispatch watchmen, as required, to potentially affected university facilities and storm water catch basins. The watchmen will maintain contact with the Team Leader and report on spill containment as directed by the Team Leader.
- Dependent on spill quantity and extent, contact the regulatory agencies to the spill site, if necessary.
- Comply with the reporting and written notice procedures required by Federalm State, and local agengies.

REGULATORY AGENCY CONTACTS
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

SOURCE	AGENCY AND CONTACT INFORMATION
FEDERAL	U.S. EPA Region V 77 West Jackson Blvd. Chicago, IL 60604 312-353-2000 National Response Center – 800-424-8802
STATE	Ohio EPA Spill Response Center 800-282-9378 or 614-224-0946
COUNTY	Licking County Public Health Department R. Joseph Ebel, Health Commissioner 675 Price Road Newark, Ohio 43055 (740) 349-6535 Licking County Emergency Management Agency Sean Grady, Director 155 East Main Street Newark, Ohio 43055 (740) 670-5577 Licking County Sheriff's Office: (740) 670-5555
CITY	Newark Police Department: (740) 670-7200
THE OHIO STATE UNIVERSITY	Environmental Health and Safety (EHS): 1314 Kinnear Road Columbus, Ohio 43212 (614) 292-1284 (614) 370-0416 (Emergency Response Team)
SOLID WASTE HAULER	Rumpke Waste and Recycling Services Maureen Hales, Account Specialist 1191 Fields Avenue Columbus, Ohio 43201 (614) 421-0091
SPECIAL CLEAN-UP	First Response Craig Young, President 285 Manning Street Newark, Ohio 43055 (740) 345-4911

SPILL/RELEASE/DISCHARGE REPORTING FORM

STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

Facility Location: _____ Phone Number: _____

Date of Spill/Release/Discharge: _____ Time of Spill/Release/Discharge: _____

Type of Material Spilled/Released/Discharged: _____

Estimated Quantity Spilled/Released/Discharged: _____

Description of All Affected Media: _____

Cause(s) of Spill/Release/Discharge: _____

_____

_____

_____

_____

Damages and/or Injuries: _____ Evacuation? Yes: ____ No: _____

Corrective Actions and/or Countermeasures (Include equipment repairs and/or replacements): _____

_____

_____

_____

_____

Preventive Measures Implemented to Minimize Recurrence: _____

_____

_____

_____

_____

Individuals/Organizations Contacted: _____

_____

NOTES: Attach additional sheets as necessary.

APPENDIX B

BLANK ROUTINE FACILITY
AND
OUTFALL INSPECTION FORMS

ROUTINE FACILITY INSPECTION FORM
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

Inspection Date & Time _____

Weather

□ Precipitation? y/n _____ □ Temperature _____

Flow at stormwater basin outfall? y/n _____

Any previously unidentified discharges of pollutants from the site? y/n _____ If yes, explain

_____

_____

Any control measures/BMPs that need replacement? y/n _____ If yes, explain

_____

_____

Any failed control measures/BMPs that need replacement? y/n _____ If yes, explain

_____

_____

Any incidents of noncompliance (for example, spills reaching surface water)? y/n _____ If yes, explain

_____

_____

Any household issues that should be addressed? y/n _____ If yes, explain

_____

_____

Any additional control measures needed to comply with the permit requirements.? y/n _____ If yes, explain

_____

_____

Inspector Name: _____

Signature: _____

The Ohio State University
Storm Water Management Program
Outfall Inspection Form

Location Information

Date: Inspector:
Time:
Outfall ID:
Outfall Location:
Receiving Water Body:
Structure Type: Shape: Material:
Weather: Approximate Temp: Wind Present: Yes No
Precipitation in past 3 days: Yes No
Flow: None Trickle Steady High
Color (if flow is present):
Source of flow: Groundwater Irrigation Condensate Residual SW Unknown

Inspection Information

Obvious Debris/Pollution:	Odor:	Water Clarity:
None	None/Natural	Clear
Brownish Foam	Musty	Cloudy
Floating Green Scum	Sewage/Septic	Opaque
Oil/Film/Sheen		
Organic Material (plant debris, dead animals)		
Trash and Debris		
Foam		
Sewage Material		

Additional Information

Sediment in structure/channel: Open ¼ Full ½ Full ¾ Full Plugged
Sediment around outfall: Yes No
Structure Condition: Excellent Good Fair Poor
Litter present in area: Yes No
Erosion on adjacent hillsides, ditch or channel sides: Yes No
Nearby activities that could impact storm water quality or river: Yes No
Description of activities:
General Comments:

Dry Weather Flow Test Results

Total Cl_2 Residual: _____ ppm; Phenols:_____ ppm; Total Cu:_____ ppm

Detergents: _____ ppm; pH: _____ Turbidity: LOW MEDIUM HIGH

APPENDIX C

BLANK QUARTERLY VISUAL ASSESSMENT FORM

The Ohio State University / Central Ohio Techncical College
Newark Maintenance Facility
Quarterly Vissual Assessement Form

(Complete a separate form for each outfall you assess)

Quarter/Year:		Outfall Name/Number:		
Person(s)/Title(s) collecting sample:				
Person(s)/Title(s) examining sample:				
Date & Time Storm or Snowmelt Began:		Date & Time Sample Collected:	Date & Time Sample Exanimated:	
Nature of Discharge:	☐ Rainfall	☐ Snowmelt		
Rainfall Amount: inches		Previous Storm Ended > 72 Hours Before Start of This Storm? ☐ Yes ☐ No* (explain)		
Parameter				
Color	☐ None	☐ Other (describe):		
Odor	☐ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/gas ☐ Solvents ☐ Other (describe):			
Clarity	☐ Clear	☐ Slightly Cloudy	☐ Cloudy	☐ Opaque ☐ Other (describe):
Floating Solids	☐ No	☐ Yes (describe):		
Settled Solids**	☐ No	☐ Yes (describe):		
Suspended Solids	☐ No	☐ Yes (describe):		
Oil Sheen	☐ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):			
Foam (gently shake sample)	☐ No	☐ Yes (describe):		
Other Obvious Indicators of Storm Water Pollution	☐ No	☐ Yes (describe):		

*The 72-hour waiver can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

**Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Sample not performed due to adverse conditions: ☐ No ☐ Yes (explain):
Sample not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter: ☐ No ☐ Yes (explain):

The Ohio State University / Central Ohio Techncical College
Newark Maintenance Facility
Quarterly Vissual Assessement Form

(Complete a separate form for each outfall you assess)

Quarter/Year:	Outfall Name/Number:
Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).	

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date Signed:

APPENDIX D

BLANK ANNUAL COMPREHENSIVE SITE COMPLIANCE INSPECTION FORM

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

ACTIVITY	YES	NO	DATE
Annual review of the Storm Water Pollution Prevention Plan (SWP3) performed?			
Revisions to Storm Water Pollution Prevention Plan (SWP3) required based on document review?			
Modification in facility design, construction, operation, or maintenance requires revision of SWP3 document?			
Revision(s) of the SWP3 require notification and/or submittal to the Director of the Ohio EPA?			
Annual review of Training Records performed?			
Annual employee training performed?			
Annual Comprehensive Site Compliance Inspection performed?			
Annual Non-Storm Water Discharge Certification performed?			
Annual Comprehensive Site Compliance Evaluation Report prepared?			
Annual Comprehensive Site Compliance Evaluation Report signed?			

INSPECTOR'S SIGNATURE: _____ DATE: _____

EMERGENCY COORDINATOR'S SIGNATURE: _____ DATE: _____

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

INSPECTION CRITERIA (1)	AREA/LOCATION			OBSERVATIONS (3)
	Refueling Areas	Maintenance Buildings	Trash & Refuse Roll-Off Boxes and Compactor	
Housekeeping				
Materials Properly Stored				
Condition of Equipment				
Integrity of Storage Containers				
Integrity of Secondary Containment Structure				
Integrity of Specific BMPs				
Revisions/Modifications Required (2)				
Evidence of spills, leaks, releases, or discharges				
Evidence of Erosion				
Area/Location in Compliance with SWP3				

NOTES:

(1) Indicate with a √ or X that the Area/Location has been inspected for the criterion specified. Indicate with "Yes" or "No" where appropriate.
(2) If revisions/modifications to BMPs are required, fill out Annual Evaluation Form A.
(3) Use additional sheets as necessary.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
STORM WATER POLLUTION PREVENTION PLAN
THE OHIO STATE UNIVERSITY – NEWARK
NEWARK, OHIO

INSPECTION CRITERIA (1)	AREA/LOCATION			OBSERVATIONS (3)
	Aircraft/Vehicle Parking Areas	Urea/Sand Storage Area	Outdoor Storage Area	
Housekeeping				
Materials Properly Stored				
Condition of Equipment				
Integrity of Storage Containers				
Integrity of Secondary Containment Structure				
Integrity of Specific BMPs				
Revisions/Modifications Required (2)				
Evidence of spills, leaks, releases, or discharges				
Evidence of Erosion				
Area/Location in Compliance with SWP3				

NOTES:

(1) Indicate with a √ or X that the Area/Location has been inspected for the criterion specified. Indicate with "Yes" or "No" where appropriate.
(2) If revisions/modifications to BMPs are required, fill out Annual Evaluation Form A.
(3) Use additional sheets as necessary.

APPENDIX E

TRAINING LOG

MAINTENANCE FACILITY
TRAINING LOG

Date	Description of Training	Presentor	Staff Attendance

See Attachment 4 within the SWPPP for training records

APPENDIX F

SWPPP MODIFICATION/AMENDMENT LOG

MAINTENANCE FACILITY
SWPPP AMENDMENT LOG

Amendment Number	Description of the Amendment	Amendment Date	Amendment Prepared By (Name & Title)

THE OHIO STATE UNIVERSITY

ATTACHMENT 1

FACILITY SITE MAP AND DETAILS

UNIVERSITY DRIVE

Drainage Ditch

Type "B" RCP

Type "B" RCP

Ex Grass

Type "C" RCP
8'x5'x1.5'

MAINTENANCE BUILDING
- Floor Drains Connected to Sanitary Sewer
- Chemical Storage
- Spill Kit
- Salt Storage

Model O-5
Floor Drain Oil Interceptor

Waste and Recycling Dumpster

Storage Pad

Model O-15
Fuel Pump Station
Oil Interceptor

Fuel Pump Station

Drainage Ditch

Basin Outlet Structure

Stormwater Outfall

Type "C" RCP
8'x5'x1.5'

Infiltration
Micropool
Bottom
=858.00

Emergency Spillway

Type "C" RCP
8'x5'x1.5'

Stormwater
Infiltration Basin
Bottom = 861.00

Type "c" RCP
8'x5'x1.5'

Type "C" RCP
15'x6'x1.5'

Bikepath

Bikepath

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

EXISTING

Ditch Centerline	
Curb & Gutter	
Edge of Pavement	
Edge of Shoulder	
Sidewalk	
Concrete	
Storm	ST
Edge of Trees/Brush	

MAINTENANCE FACILITY IMPROVEMENTS

Right-of-Way	
Curb & Gutter	
Sidewalk	
Edge of Pavement	
Basin Bottom	
Center Line Swale	
Fence/Handrail	
Sanitary Force Main	FM
Sanitary Sewer Service	SAN
Storm Sewer	
Electric	E
Site Lighting	L
Gas	G
Communication	C
Water Line	WM

Catch Basin		Flow Arrow	
Manhole		740.75	Spot Elevation
Cleanout		Flood Routing	
Sign			

THE OHIO STATE UNIVERSITY/CENTRAL OHIO TECHNICAL COLLEGE
STORMWATER POLLUTION PREVENTION PLAN
FOR

NEWARK MAINTENANCE FACILITY

SITE MAP

EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE: April 29, 2016

SCALE: 1" = 20'

JOB NO.: 2016-0060

SHEET: Exhibit 1

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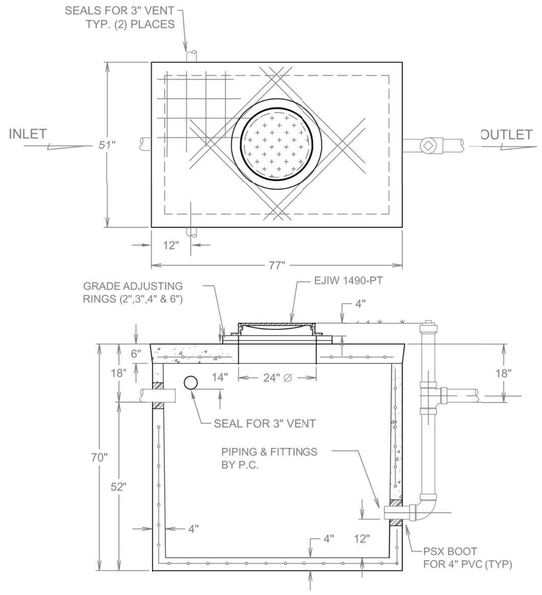


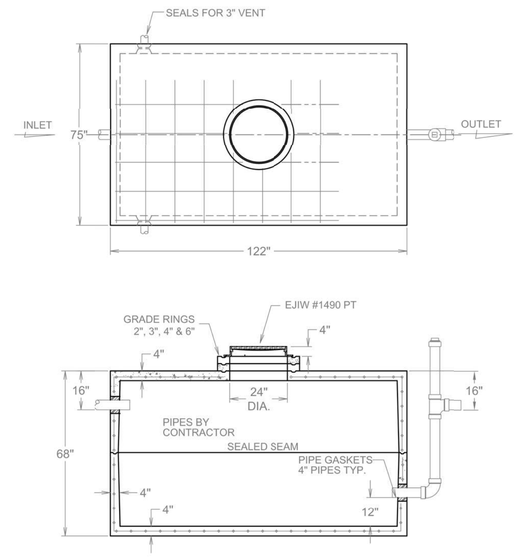
NOTE:
1. CONCRETE TO BE CLASS "C"
5,000 PSI MIN @ 28 DAYS
2. INTERCEPTOR IS DESIGNED FOR H-20 TRAFFIC.

E.C.BABBERT, INC.
7415 Diley Road
Canal Winchester, OH 43110
Phone (614) 837-8444
Fax (614) 837-1198

TITLE: MODEL O-5
OIL INTERCEPTOR

OIL RETENTION VOLUME:
400 GALLONS (53.5 CF)

SCALE:	DRWN BY:	DATE:
NONE	DCO	2/2008



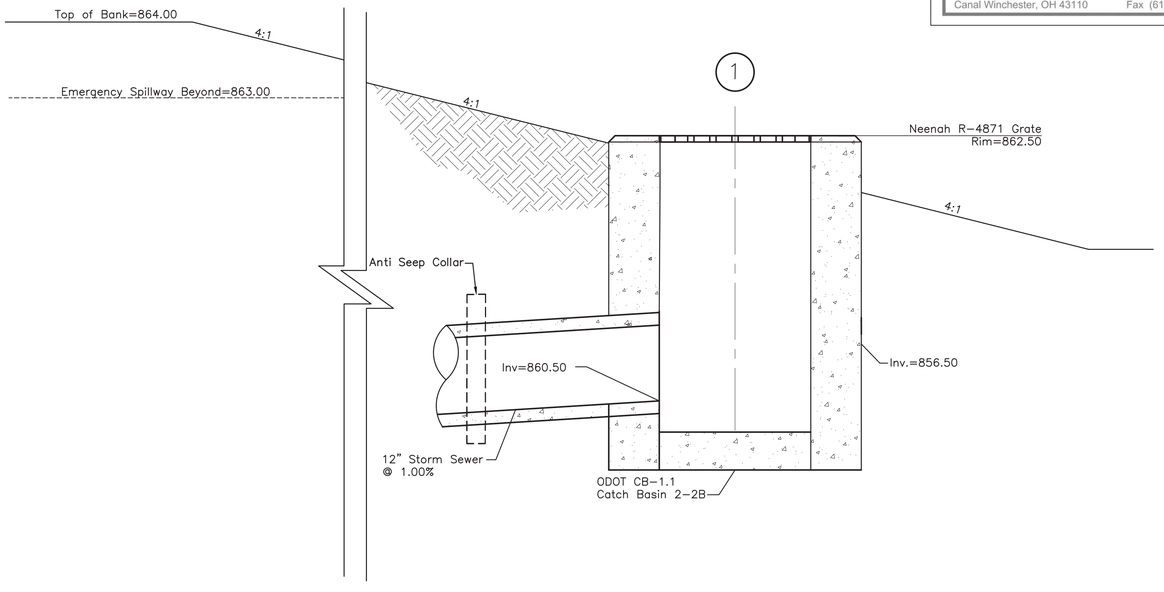
NOTE: CONCRETE TO BE
CLASS C, 5,000 PSI @
28 DAYS, MIN.

E.C.BABBERT, INC.
7415 Diley Road
Canal Winchester, OH 43110
Phone (614) 837-8444
Fax (614) 837-1198

TITLE: MODEL O-15
OIL INTERCEPTOR

OIL RETENTION CAPACITY
1,058 GALS, FOR 14,144 SQ.FT.

SCALE:	DRWN BY:	DATE:
NONE	DCO	2/2008



THE OHIO STATE UNIVERSITY/CENTRAL OHIO TECHNICAL COLLEGE
STORMWATER POLLUTION PREVENTION PLAN
FOR
NEWARK MAINTENANCE FACILITY
SITE MAP

EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

DATE:	April 29, 2016
SCALE:	1" = 20'
JOB NO.:	2016-0060
SHEET:	Exhibit 2

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THE OHIO STATE UNIVERSITY

ATTACHMENT 2

ROUTINE FACILITY INSPECTION RECORDS

THE OHIO STATE UNIVERSITY

ATTACHMENT 3

NON-STORMWATER DISCHARGE CERTIFICATIONS

THE OHIO STATE UNIVERSITY

ATTACHMENT 4

ANNUAL TRAINING RECORDS

THE OHIO STATE UNIVERSITY

ATTACHMENT 5

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATIONS

THE OHIO STATE UNIVERSITY

ATTACHMENT 6

SPILL/RELEASE/DISCHARGE REPORTING FORMS

THE OHIO STATE UNIVERSITY

APPENDIX J

POLLUTION PREVENTION AND GOOD HOUSEKEEPING TRAINING RECORDS

APPENDIX K

OHIO EPA ANNUAL REPORTS