

Schoolcraft College



Stormwater Management Program Plan

Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit

Prepared By:



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2.1.4 Public Involvement & Participation Program (PPP) Implementation BMP Table

Referenced from the Rouge River Collaborative Public Participation/Involvement Program Plan

BMP	Implementation of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.1.4.1 Procedure for Inspection and Comment of the SWMP	Contact information will be available on the stormwater webpages to forward comments regarding the SWMP.	Continual Throughout Permit Cycle Once SWMP Approved	SWMP approved and posted on the Schoolcraft College stormwater webpage.	Verify SWMP available on stormwater webpage, and track changes webpage posting of SWMP.	Should this be AEG or Schoolcraft?
	Post approved SWMP on the stormwater webpage. Posted SWMP includes ARC Collaborative Plans.			Keep copies of official SWMP posting notifications.	
				Compile and track comments from the public.	
BMP #2.1.4.2 Procedure for Public Participation in Implementation and Review of the SWMP.	ARC and its members will invite the public to participate in the implementation and periodic review of the SWMP at least 2 times during the permit cycle.	Twice Per Permit Cycle	This will be advertised on the ARC website and links on the community's websites. The ARC will also use social media to promote the public's involvement and will periodically request FOTR to invite its members to participate in the implementation and periodic review of the SWMP during the permit cycle.	The ARC staff will compile and track comments from the public by documenting the commenter's name, date, and synopsis of the comment. ARC staff will document SWMP posting dates on both the ARC and community's websites along with recording links to the SWMP documents and collaborative plans.	Alliance of the Rouge Communities (ARC)
	Schoolcraft College shall include a link to the Alliance of the Rouge Communities on the stormwater webpage for review of activities and events. http://www.allianceofrougecommunities.com/documents.html	Throughout Permit Cycle	Link to ARC webpage placed on Schoolcraft College stormwater webpage.	Verify link available and working on stormwater webpage. Maintain copies of posting.	Schoolcraft College



2.2.3 Public Education Program Implementation BMP Table

Referenced from the Rouge River Collaborative Public Education Program Plan

BMP Topic	Description of BMP	Timeframe	Measurable Goal & Key Messages	Measure of Assessment	Responsible Party
BMP #2.2.3.1 PEP Topic: A, B, C, D, E, F, G, H, I, and J	Distribute pollution prevention literature on various topics through brochures, educational materials, and other media	Ongoing Throughout Permit Cycle	ARC shall provide Schoolcraft College copies of materials to be displayed at Schoolcraft facilities or used at community events.	Access provided by Schoolcraft College to distribute pollution prevention literature on various topics through brochures, educational materials, and other media.	ARC & Schoolcraft College
			ARC shall provide Schoolcraft College electronic material to use on their community website.	Posting of electronic material on Schoolcraft College stormwater webpage as directed by ARC.	
			The ARC will also promote its message using electronic media outlets which could include cable TV, social media and billboards. ARC shall develop 24 new posts annually.	Schoolcraft College shall promote ARC Facebook posts as directed by ARC.	
BMP #2.2.3.2 PEP Topic: A, B, C, D, E, F, G, H, I, and J	Coordinate and distribute community articles and ad graphics on pollution prevention and watershed restoration and stewardship	One (1) Per Year Throughout Permit Cycle	ARC shall develop five (5) new articles for distribution to Schoolcraft College.	Articles possibly promoted on the Schoolcraft College stormwater webpage and social media outlets as directed by ARC.	ARC & Schoolcraft College
			ARC shall develop five (5) new ad graphics for distribution to Schoolcraft College.	Ad graphics promoted on the Schoolcraft College stormwater webpage and possibly social media outlets as directed by ARC.	



BMP Topic	Description of BMP	Timeframe	Measurable Goal & Key Messages	Measure of Assessment	Responsible Party
BMP #2.2.3.3 PEP Topic: A, B, C, D, E, F, G, H, and I	Provide static displays and posters on pollution prevention and watershed restoration and stewardship	Three (3) out of the Five (5) Years Throughout Permit Cycle	ARC shall provide Schoolcraft College with four (4) seasonal posters to be distributed.	Schoolcraft College display posters and rotate during each season a minimum of three (3) out of the five (5) years during the permit cycle at highly visible locations.	ARC & Schoolcraft College
BMP #2.2.3.4 PEP Topic: A, B, C, E, G, and J	Promote environmental hotlines to educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4	Ongoing Throughout Permit Cycle	Environmental hotline numbers will be advertised on the Schoolcraft College stormwater webpage. Michigan’s Pollution Alert System (PEAS): 800-292-4706 Washtenaw County: 734-222-3800 Macomb County: 877-679-4337 St. Clair County: 277-504-SWIM Oakland County: 248-858-0931 Wayne County: 888-223-2363	Environmental hotline numbers posted and maintained on the Schoolcraft College stormwater webpage.	ARC & Schoolcraft College
			Collection/disposal will be advertised on the Schoolcraft College stormwater webpage. Wayne County: https://www.waynecounty.com/departments/environmental/landresources/household-hazardous-waste.aspx Oakland County: https://www.oakgov.com/health/information/Pages/Hazardous-Materials-and-Household-Waste.aspx Washtenaw County: https://www.washtenaw.org/278/How-Do-I-Dispose-Of Macomb County: https://health.macombgov.org/Health-Programs-EnvironmentalHealth-RiskAssessment-HouseholdWaste St. Clair County: http://www.stclaircounty.org/Offices/landfill/hhw_drop.aspx?meid=-603	Collection/disposal links posted and maintained on the Schoolcraft College stormwater webpage.	ARC & Schoolcraft College



BMP Topic	Description of BMP	Timeframe	Measurable Goal & Key Messages	Measure of Assessment	Responsible Party
BMP #2.2.3.5 PEP Topic: A, B, C, D, E, F, G, H, and I	Distribution of “homeowner” materials to promote the importance of pollution prevention and watershed restoration and stewardship	Annually Throughout Permit Cycle	A homeowner educational brochure will be provided Schoolcraft College for possible distribution.	Homeowner brochure distributed by Schoolcraft College where appropriate as directed by ARC.	ARC & Schoolcraft College
BMP #2.2.3.6 PEP Topic: A, B, C, D, E, F, G, H, I, and J	Develop and promote educational workshops and presentations	Ongoing Throughout Permit Cycle	ARC members may promote, host and participate in these workshops and presentations.	Promote, host and participate in these workshops and presentations as directed by ARC.	ARC & Schoolcraft College
BMP #2.2.3.7 PEP Topic: A, B, C, D, E, F, G, H, I, and J	Promote and Support volunteer activities	Ongoing Throughout Permit Cycle	Promotion of activities will be annually and up to 4 workdays may be hosted during the permit cycle	Promote, participate or host volunteer and other watershed events.	ARC & Schoolcraft College
BMP #2.2.3.8 PEP Topic: A, B, C, I, and J	Promotion of and support for volunteer monitoring activities within the Rouge River Watershed	Ongoing Throughout Permit Cycle	Website/social media, materials distributed and presentations.	Promote, participate or host volunteer and other watershed events.	ARC & Schoolcraft College
BMP #2.2.3.9 PEP Topic: A, B, F, and I	Rouge River Watershed signage	Ongoing Throughout Permit Cycle	Implement maintenance and/or new signage at high-priority locations during the first permit cycle.	Place new signage where appropriate.	ARC & Schoolcraft College



2.3.9 Illicit Discharge Elimination Program Implementation BMP Table

BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.3.9.1 Facility Storm Sewer System Maps	Provide an up to date storm sewer system map. The maps shall identify the storm sewer system, location of outfalls and points of discharge, and names and locations of the surface waters of the state receive the discharge.	Maps Completed in January 2020	100% of facilities mapped, and 100% of storm sewer system updates mapped.	Site maps maintained at the Service Building, 18600 Haggerty, Livonia, Michigan 48152.	Schoolcraft College
		Within 30 days of Project Completion Throughout Permit Cycle	Schoolcraft College will update storm sewer site maps with new outfalls, discharge points, structures and conveyances.	Update facility map with sewer system updates. Maintain maps for progress report submittal. Update SWMP as necessary.	Map update needed by AEG
BMP#2.3.9.2 Illicit Discharge Regulatory Mechanism	Written policy to enforce elimination of illicit discharges into MS4 owned by the Permittee.	Stormwater Management – Illicit Discharge Regulatory Policy Developed in 2020	Email “Stormwater Management – Illicit Discharge Regulatory Policy” to staff	Copy of annual email to staff regarding the Illicit Discharge Policy.	Schoolcraft College
		Email to Staff Annually Throughout Permit Cycle	Post Stormwater Management – Illicit Discharge Regulatory Policy on the College Policy page for students https://www.schoolcraft.edu/college-policies	Verify policy and reporting information available and working on stormwater webpage. Maintain copies of posting.	
		Webpage Posting Maintained Throughout Permit Cycle	Notice on stormwater webpage “If you witness or think a discharge is taking place, please contact the Schoolcraft College Police at 734-462-4424 or notify via the Take Action link located on the Schoolcraft College Police Department webpage.” https://www.schoolcraft.edu/scaware/sc-aware		



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.3.9.3 Dry Weather Screening	Dry Weather Screening conducted every five (5) years. Dry weather screening will be conducted by personnel trained to recognize all signs of possible illicit discharges.	Once Per Permit Cycle Year 2	100% of outfalls and point of discharges inspected and evaluated following a period of 48-72 hours of dry weather.	Maintain dry weather screening inspection logs/reports, including photographs.	Will be completed by AEG
			Source investigations conducted of all dry weather flow observed. Outfalls/points of discharges re-inspected if necessary.	Maintain reports of source investigations. Track all illicit discharges identified on Illicit Discharge/Illegal Dumping Reporting form. (Appendix "D").	
BMP #2.3.9.4 Illicit Discharge Reporting	Eliminate illicit discharges and connections through reporting, routine storm sewer system inspections and dry weather screening inspections.	Email to Staff Annually Throughout Permit Cycle Ongoing Throughout Permit Cycle	Email "Stormwater Management – Illicit Discharge Regulatory Policy" to staff	Copy of annual email to staff regarding the Illicit Discharge Policy.	Schoolcraft College
			Notice on stormwater webpage <i>"If you witness or think a discharge is taking place, please contact the Schoolcraft College Police at 734-462-4424 or notify via the Take Action link located on the Schoolcraft College Police Department webpage."</i> https://www.schoolcraft.edu/scaware/sc-aware	Verify policy and reporting information available and working on stormwater webpage. Maintain copies of posting.	



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.3.9.5 Unauthorized Discharge/ Illicit Discharge Complaint Response	The District will evaluate any potential unauthorized or suspected illicit discharge to the municipal separate storm sewer system (MS4) and perform any necessary notifications and reporting to the applicable agencies (i.e., EGLE, local drain commission, etc.) within the required time period(s). This procedure is outlined in Section 2.3.10 Polluting Materials Emergency and Spill Response Policy & Procedures.	If, in the opinion of Schoolcraft College, immediate action to address the suspected discharge is indicated, the District will follow up within seven (7) days.	100% of unauthorized or suspected illicit discharges evaluated (field observation, field screening, and source investigation) and eliminated.	Documentation of relevant field observations, field screening or source investigations.	Schoolcraft College Contact AEG for support if occurs.
		Within thirty (30) days of reported suspected discharge.		Track number of calls and document calls onto Illicit Discharge/Illegal Dumping Reporting form. (Appendix "D").	
BMP #2.3.9.6 Illicit Connections	Reroute, repair, or disconnect any illicit connections.	Within ninety (90) days of identified illicit connection	Take steps to eliminate 100% of identified illicit connections.	Work order, receipt or report detailing the illicit connection correction activities.	Schoolcraft College
BMP #2.3.9.7 Training- Illicit Discharge Elimination	Internal training of applicable staff on the identification and reporting of illicit discharges or improper connections and the cleanup/notification procedures for spills of polluting materials.	Once per permit cycle or during the 1 st year of employment Throughout Permit Cycle	Goal of providing illicit discharge elimination training to all landscaping, plumbing, roofing, metal services, engineering services, and custodial staff who work for Schoolcraft College.	Training conducted as part of Schoolcraft College employee risk management training. Copy of sign in sheets and Agenda (if available).	Schoolcraft College
BMP #2.3.9.8 Notice of Intent to Discharge Tracer Dyes	Schoolcraft College shall obtain approval from EGLE for authorization to discharge tracer dyes in surface waters per General Rule 97 to conduct source investigations.	As needed Throughout Permit Cycle	EGLE approval to discharge tracer dyes.	Documentation of EGLE approval.	Should this be AEG or Schoolcraft?



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
<p>BMP #2.3.9.9 IDEP program Performance & Effectiveness</p>	<p>Review performance measures to evaluate the effectiveness of the IDEP program. Items include number of outfalls/discharge points screened, number of illicit connections found, number of illicit connections eliminated, number and type of violations investigated, and number of scheduled clean-outs and routine maintenance work conducted.</p>	<p>Annually Throughout Permit Cycle</p>	<p>Annual review of IDEP program performed. Evaluate reduced illicit discharges, increase reporting and evaluate dry weather screening data. IDEP Form located in Appendix "D".</p>	<p>Maintain copy of illicit discharge annual review and evaluation information for progress reporting.</p>	<p>Schoolcraft College</p>



2.4.5 Construction Site Stormwater Management Implementation BMP Table

BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.4.5.1 Notification of Deposit during Inspection	Schoolcraft College will notify the local part 91 agencies or EGLE when runoff from the construction site discharges significant pollutants to the MS4 or surface waters of the state within 24 hours of discovery or as otherwise required by the issuing agency. The Schoolcraft College Stormwater Manager (or designee) is responsible for assessing any suspected or confirmed discharge and notifying the appropriate agency. (Refer to section 2.4.2)	As necessary Throughout Permit Cycle	100% discharges identified and appropriate agencies notified. Control of potential system failure.	Documentation of Construction Stormwater Operator site inspection.	Schoolcraft College
	Track complaints submitted by the public or noted by staff during regular course of business of soil, sediment, or other pollutants such as pesticides, petroleum derivatives, construction chemicals, and solid wastes are being discharged into the MS4.			Documentation of public complaint (Name of person providing the complaint, location [address or nearest cross street] description of follow up [e.g., date referred to the Part 91 enforcing agency]).	Schoolcraft College
BMP #2.4.5.2 Part 91 Permit	Schoolcraft College will ensure that any construction activity that result in a land disturbance greater than or equal to one (1) acre or disturb less than one (1) acre that is part of a common plan of development or sale will obtain a Part 91 Permit through the site plan review process.	As necessary Throughout Permit Cycle	100% of permits obtained.	Copy of permit and associated soil erosion and sedimentation control plans.	Schoolcraft College



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.4.5.3 Permit by Rule	Construction sites between (1) acre but and five (5) acres of soil disturbance follow the provisions of the Permit by Rule, but do not need to notify the EGLE of the construction activity.	As necessary Throughout Permit Cycle	Goal of 100% of weekly and precipitation event inspection completed by certified Construction Stormwater Operator.	Copy of inspections.	Schoolcraft College
	Construction sites disturbing over five (5) acres with a point source discharge to the waters of the state must follow provisions of the Permit by Rule and submit a Notice of Coverage (NOC) and other pertinent documents and the appropriate fee to the EGLE.		Goal of 100% of weekly and precipitation event inspection completed by certified Construction Stormwater Operator.	Copy of inspections.	Schoolcraft College
			100% NOC obtained.	Copy of NOC	Schoolcraft College



2.5.8 Post-Construction Stormwater Management Implementation BMP Table

BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.5.7.1 Regulatory Mechanism	Develop and implement regulatory mechanisms to address post-construction stormwater runoff for new development and redevelopment projects, including preventing or minimizing water quality impact.	Stormwater Management-Post Construction Policy & Procedure Developed January 2020 Ongoing Throughout Permit Cycle	Completed Stormwater Management-Post Construction Policy & Procedure.	Copy of Completed Stormwater Management-Post Construction Policy & Procedure.	Completed
	Develop and implement regulatory mechanisms for projects that disturb one or more acre, including projects less than an acre that are part of a larger common plan of development or sale and discharge into the applicants MS4.				
BMP #2.5.7.2 Post-Construction Standards	Ensure post-construction channel protection standards and water quality treatment standards are met.	As necessary Throughout Permit Cycle	All applicable site plans are reviewed by the appropriate local municipal, county, state or other governmental agency.	Copy of site plan.	Schoolcraft College
				Drawings showing the location of stormwater control measures and the storm system.	
				Calculations used for designing all components of the stormwater management systems.	
				Total Suspended Solids (TSS) design removal rates.	



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.5.7.3 Site Specific	Schoolcraft College will review construction plans for sites with known soil and/or groundwater contamination, including potential “hot spots” and evaluate the use of infiltration BMPs to meet water quality treatment and channel protection criteria.	As necessary Throughout Permit Cycle	Reduce or eliminate discharge of pollutants during construction on contaminated sites.	Documentation of additional stormwater controls.	Schoolcraft College
BMP #2.5.7.4 Site Plan Review	Prepare and submit a written application, including site plan for construction of storm water management systems for all new construction or redevelopment projects where the area of disturbance meets or exceeds one (1) acre.	As necessary Throughout Permit Cycle	All applicable site plan are reviewed by the appropriate local municipal, county, state or other governmental agency.	Copy of reviewed plans.	Schoolcraft College
BMP #2.5.7.5 Operation & Maintenance	All structural and vegetative stormwater control measures installed as a requirement under this section of the permit shall include guidance for maintaining maximum design performance through long-term operation and maintenance.	Within 30 days of following the completion a new facility or reconstruction/redevelopment site project. Throughout Permit Cycle	Update and revise the stormwater structural controls on facility site diagrams. Follow long-term guidance for inspection and operation to maintain maximum design performance.	Copies of updated site plans. Operation & Maintenance (O&M) requirements.	Schoolcraft College



2.6.2 Structural Control Inventory & Schedule Table

No prioritization will be needed, as all structures are to be inspected and maintained equally. All structural controls will have routine inspection, maintenance schedules, and long-term procedures which adequately control, to the maximum extent practicable, pollution removal and control. Structural control effectiveness will be determined based on the results of these inspections and repaired, upgraded, or replaced as indicated.

Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Schoolcraft College Main Campus General Area 18600 Haggerty Road Livonia, MI 48152	Low	Catch Basins/Manholes	287	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
		Open Pipe Outlet	5	Inspect Once Every 3 Years, Maintain as Needed
		Stabilized Outlet	1	Inspect Once Every 3 Years, Maintain as Needed
		Detention Pond	1	Inspect Once Every 3 Years, Maintain as Needed
		Underground Detention System	2	Inspect Once Every 3 Years, Maintain as Needed
		Trench Drain	1	Inspect Once Every 3 Years, Maintain as Needed



Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Schoolcraft College Main Campus Maintenance / Storage Area 18600 Haggerty Road Livonia, MI 48152	High	Catch Basins/Manholes <i>[ID#s SC-60 through SC-94]</i>	35	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
		Oil/Water Separator <i>[Applied Science Oil Water Separator is currently not in use]</i>	2	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Above Ground Storage Tank	1	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Underground Storage Tank	1	Inspected as part of the Class A/B Operator Program, Maintain as Needed
		Fuel Dispenser	1	Inspected as part of the Class A/B Operator Program. Additionally, Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Secondary Containment	2	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Salt Storage	1	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed



Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Schoolcraft College Main Campus Maintenance / Storage Area		Aggregate Storage	4	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Roll-Off Waste Dumpster	3	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
		Roll-Off Scrap Metal Dumpster	1	Inspect Every 6 Months During Comprehensive Inspection, Maintain as Needed
Schoolcraft College Main Campus *Leased Area 18600 Haggerty Road Livonia, MI 48152	N/A	Catch Basin/Manholes	118	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
		Open Pipe Outlet	10	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
		Drainage Receptor	2	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
		Stabilized Outlet	4	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
		Stormwater Conveyance Channel	2	Responsible lessee shall keep and maintain that part of the storm drain system within their property.



Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Schoolcraft College Main Campus *Leased Area		Stream Bank	1	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
		Detention Ponds	2	Responsible lessee shall keep and maintain that part of the storm drain system within their property.
Public Safety Training Complex (PSTC) Fire Training Site 32303 Glendale Street Livonia, MI 48150	Medium	Catch Basins/Manholes	7	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
		Open Pipe Outlet	1	Inspect Once Every 3 Years, Maintain as Needed
		Drainage Receptor	1	Inspect Once Every 3 Years, Maintain as Needed
		Stabilized Outlet	2	Inspect Once Every 3 Years, Maintain as Needed
		Stormwater Conveyance Channel	1	Inspect Once Every 3 Years, Maintain as Needed
		Sump Pit	1	Inspect Once Every 3 Years, Maintain as Needed
		Detention Pond	1	Inspect Once Every 3 Years, Maintain as Needed



Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Public Safety Training Complex (PSTC) Academy Training Center (ATC) 31777 Industrial Road, Livonia, MI 48150 Firearms Training Center (FTC) 31623 Industrial Road, Livonia, MI 48150	Low	Catch Basins/Manholes	9	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
Public Safety Training Complex (PSTC) Driving Course (Leased from City of Livonia) 2000 Glendale Street, Livonia, MI 48150	Low	Catch Basins/Manholes	6	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
		Open Pipe Outlet	4	Inspect Once Every 3 Years, Maintain as Needed
		Drainage Receptor	4	Inspect Once Every 3 Years, Maintain as Needed
		Stormwater Conveyance Channel	1	Inspect Once Every 3 Years, Maintain as Needed
		Pump Station	1	Inspect Once Every 3 Years, Maintain as Needed



Facility	Priority Level of Potential Discharge (High, Medium, Low)	Type of Structural Control	Number of Controls	Inspection/Maintenance Schedule
Radcliff Center 1751 Radcliff Street Garden City, MI 48135	Low	Catch Basins	22	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.
		Stormwater Conveyance Channel	1	Inspect Once Every 3 Years, Maintain as Needed
		Open Pipe Outlet	1	Inspect Once Every 3 Years, Maintain as Needed
		Drainage Receptor	2	Inspect Once Every 3 Years, Maintain as Needed
		Infiltration Basin	1	Inspect Once Every 3 Years, Maintain as Needed
		Detention Basin	1	Inspect Once Every 3 Years, Maintain as Needed
STEM Building 13001 Merriman Road Livonia, MI 48152	Low	Catch Basin/Manholes	11	Inspect Once Every 3 Years, Clean Once per Permit Cycle or if Build-Up of Accumulated Solid Material is Between 30 and 50% of the Total Sump Depth.



	Priority Level of Potential Discharge* (High, Med, Low)	Street Sweeping Schedule
Schoolcraft College Main Campus 18600 Haggerty Road, Livonia Michigan 48152	Medium	Annual Street Sweeping
Public Safety Training Complex (PSTC) Academy Training Center (ATC) 31777 Industrial Road, Livonia, MI	Low	Annual Street Sweeping
Public Safety Training Complex (PSTC) Firearms Training Center (FTC) 31623 Industrial Road, Livonia, MI	Low	Annual Street Sweeping
Public Safety Training Complex (PSTC) Fire Training Site 32303 Glendale, Livonia, MI 48150	Medium	Annual Street Sweeping
Public Safety Training Complex (PSTC) Driving Course 32000 Glendale Street, Livonia, MI	Low	Street Sweeping as Needed Limited Street Debris as Not Open to the Public
Radcliff Center 1751 Radcliff, Garden City, MI	Low	Annual Street Sweeping
STEM Building 13001 Merriman, Livonia, MI	Low	Annual Street Sweeping



2.6.11 Pollution Prevention/Good Housekeeping Implementation BMP Table

BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.6.11.1 Structural Control Inventory	Provide an up-to-date inventory of the number of stormwater structural controls for each facility's (i.e. catch basins, detention ponds). Update facilities potential to discharge pollutants (high, medium, low) following the update.	Initial update completed, further updated as needed within 30 days following the completion a new facility or reconstruction/redevelopment. Ongoing Throughout Permit Cycle	100% of stormwater structural controls inventoried.	Maintain list of inventory and potential to discharge priority level. Submit updated list with progress report, noting if priority levels have changed.	Will be completed by AEG
BMP #2.6.11.2 SWPPP Development & Implementation (SOP)	Develop a "Stormwater Pollution Prevention Plan (SWPPP)" for maintenance, transportation, and storage facilities/Implement policies & procedures.	SWPPP/SOP Developed January 2020 Monthly Routine Inspections 6-Month Comprehensive Inspections	100% of monthly routine inspections conducted and 100% of 6-month comprehensive inspections conducted.	Copy of SWPPP and copy of inspections.	Schoolcraft College
BMP #2.6.11.3 Stormwater Structural Control Inspections	Visually inspect stormwater controls identified on facility maps.	Routine Inspections Throughout Permit Cycle	Routine schedule implemented and inspections reviewed by Stormwater Project Manager.	Maintain inspection forms/reports.	Schoolcraft College
BMP #2.6.11.4 Cleaning & Maintenance (Catch Basin/ Manhole Cleaning)	Schoolcraft College will ensure that cleaning of the catch basins/manholes occur, and all waste materials generated during operation and maintenance of structural stormwater controls are properly characterized, transported, and disposed as required under State of Michigan PA 451 Part 111 (hazardous wastes), Part 121 (Liquid Industrial By-Products), and Part 115 (solid wastes).	Once per Permit Cycle or More Frequently if Required	Prioritized locations cleaned once per permit cycle. All waste disposed as required.	Copies of Waste Manifests or receipts.	Schoolcraft College



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.6.11.5 Cold Weather Operations	Proper salt storage management. Maintain storage bags and equipment in good working condition. Pollution Incident Prevention Plan Developed.	Ongoing Throughout Permit Cycle	Continue proper salt storage and management as previously implemented.	Copy of SWPPP comprehensive inspection report.	Schoolcraft College
BMP #2.6.11.6 Vehicle Washing	All vehicle washing and maintenance is to be performed indoors where drains connecting to the sanitary system can receive all wastes. Alternatively, vehicle washing can be performed at a commercial auto wash facility.	Ongoing Throughout Permit Cycle	100 % of applicable staff trained on were to wash vehicles.	Copy of sign-in sheets.	Schoolcraft College
BMP #2.6.11.7 Vehicle Maintenance	All drains within maintenance garages will be dye tested to assure that no drains flow into the separate storm sewer system if diagrams are not available.	Diagrams of Floor Drains in the Facilities Building Obtained January 2020	100% of floor drains evaluated in the Facilities Building. All drains properly connected to the sanitary system.	Copy of dye tracing inspection or copy of diagrams.	Schoolcraft College
	Oil-water separators will be inspected routinely and serviced as necessary to maintain efficiency.	Annually Throughout Permit Cycle	Oil-water separators cleaned and functioning properly.	Copy of invoices or shipping papers.	
	Recycle used motor oil, diesel oil, other vehicle fluids, and vehicle parts whenever possible.	As needed Throughout Permit Cycle	Reduction in amount of disposed material and amount of material shipped for off-site disposal.	Copy of invoices or shipping papers.	



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.6.11.8 Land Disturbance	Place temporary stockpiled material away from storm drains, and berm or cover stockpiles to prevent material releases into the storm drain. Protect against sediment flowing into drains.	As needed Throughout Permit Cycle	100 % of applicable staff trained.	Copy of sign-in sheets.	Schoolcraft College
BMP #2.6.11.9 Fire Training Activities	Firefighting training activities are performed in a manner that reduce the potential of harmful pollutants from entering our storm drains, ditches, inlets, or swales.	Training Exercise Once per Year Throughout Permit Cycle	<p>Training area must be sweep and cleaned prior to training to ensure debris does not enter stormwater structures.</p> <p>Ashes and partially burnt debris must be disposed of in dumpster.</p> <p>Use water only during training. Do not use foam chemicals.</p> <p>When cleaning trucks, fire apparatuses, hoses, and other equipment with detergents always use indoor facilities or facilities that are connected to the sanitary sewer system.</p>	Document staff receiving educational materials and information regarding fire training best management practices.	Schoolcraft College
BMP #2.6.11.10 Street Sweeping	Street sweeping conducted by a professional sweeping company.	Annual Throughout Permit Cycle	Street sweeping conducted.	<p>Copy of work order or schedule.</p> <p>Copy of invoice or disposal documentation.</p>	Schoolcraft College



BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #2.6.11.11 Vegetated Properties (Pesticides)	Schoolcraft College requires all contracted personnel who participate in the application of pesticides will be trained and licensed by the State of Michigan under the Commercial Pesticide Application Certification Program for relevant categories as applicable, to prevent or reduce pollutant runoff from vegetated land.	Ongoing Throughout Permit Cycle	Application of pesticides will only be completed by trained and licensed applicators.	Documentation of in-house staff license or copy of contractor receipt.	Schoolcraft College
BMP #2.6.11.12 Contractor Oversight	Schoolcraft College requires contractors to comply with pollution prevention and good housekeeping BMPs. Schoolcraft College will complete contractor notification, pre-project meeting and periodic inspections to provide oversight to ensure compliance.	As needed Throughout Permit Cycle	Contractors training and informed of pollution prevention and good housekeeping techniques.	Copy of sign-in sheets (Stormwater Contractor Oversight Record form), pre-project meeting notes or inspections.	Schoolcraft College
BMP #2.6.11.13 Training	Pollution prevention and good housekeeping training.	Once per Permit Cycle or During the 1 st year of Employment Throughout Permit Cycle	Goal of providing training to maintenance staff who work for Schoolcraft College.	Training is conducted as part of Schoolcraft College employee risk management training. Copy of sign-in sheets and Agenda (if available).	Schoolcraft College



3.2.1 TMDL - BMP Table

BMP	Description of BMP	Timeframe	Measurable Goal	Measure of Assessment	Responsible Party
BMP #3.2.2.1 Webpage	The ARC TMD Rouge River Collaborative Total Maximum Daily Load (TMDL) Implementation Plan for Municipal Permittees placed on Schoolcraft College webpage.	Ongoing Throughout Permit Cycle	Posters placed throughout Schoolcraft College facilities.	Photos of poster placement. Maintain links on webpage. Maintain copies of webpage review.	Should this be completed by AEG or Schoolcraft?
			Material available on webpages.		
BMP #3.2.2.2 Metric (D) for Evaluating Effectiveness	Keep records of construction projects completed under the most recent standards.	Provide to Arc staff by April 30, 2020	100% completed under the most recent standards.	Copy of construction projects.	Schoolcraft College
BMP #3.2.2.3 Metric (F) for Evaluating Effectiveness	Number of catch basins cleaned	Provide to Arc staff by April 30, 2020	Catch basins cleaned.	Number of catch basins cleaned.	Schoolcraft College
BMP #3.2.2.4 Metric (H) for Evaluating Effectiveness	Number of stockpiles showing no impact to stormwater runoff.	Provide to Arc staff by April 30, 2020	Stockpiles reviewed during SWPPP inspections and documented.	Number of stockpiles.	Schoolcraft College