

MS4 INSPECTION REPORT

Permit Number	Inspection Date	Entry Time	Exit Time	Inspection Type	Inspection ID
PAG138330	09/05/2024	09:00	12:10	CEI	3828892
Municipality	Summit		County	Erie	
Facility Name	SUMMIT TWP ERIE CNTY		Permittee Name	SUMMIT TWP ERIE CNTY	
24-Hour Emergency Contact Person/Phone	Matthew Jonas / (814) 868-9686		Email	mjonas@summitpa.us	
Physical Location Address	1230 TOWNHALL RD W STE 100, ERIE, PA, 16509-5080				
Permit Expiration Date	--/--/---	Next Submittal DueDate	----	----	
Violations*	No Violations Noted				
Person Interviewed	Matthew Jonas	Date	09/05/2024	Inspector	SHANE KRAUSE
Signature emailed		Phone Number	(814) 868-9686	Signature	----
				Phone Number	(814) 460-0351
Title	Township Engineer		Title Bus Prtnr/Contractor		
Email	mjonas@summitpa.us		Email c-shkrause@pa.gov		
<p>This document is official notification that a representative of the Department of Environmental Protection inspected the above facility. The findings of this inspection are shown above and on any attached pages. *Any violations which were noted during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses of the discharge and/or review of Department records.</p>					

MS4 INSPECTION REPORT

Facility Details Section			
Responsible Official	MATTHEW E JONAS	Title	TOWNSHIP ENGINEER
Business Phone	(814) 868-9686	Email	mjonas@summitpa.us
Permittee Address	1230 TOWNHALL RD W STE 100, ERIE, PA, 16509-5080		
Certified Operator	----	Client ID	----
Certificates	----	Certification Status	----
		Expiration Date	--/--/----
Is a Copy of the permit(s) on-site?			Yes
Has the interviewed operator/person reviewed the facility's permit(s)?			Yes
Comments			
<p>A Compliance Evaluation Inspection (CEI) was conducted by Shane Krause (ECDH)with Mattew Jonas(Township Engineer) and Joe Whitmer (Township MS4 coordinator).</p> <p>A file review, onsite records review, permittee representative interview, and BMP inspection were conducted. Photos are attached with report.</p> <p>Weather conditions at time of inspection were 71F, sunny skies. No precipitation recorded in past 72 hours (NOAA online data).</p> <p>MCM's compliance was discussed and verified while onsite. See MCM modules for status updates.</p> <p>Field inspection notes and observations:</p> <p>A walk-thru of the township Maintenance garage and surrounding area.</p> <ul style="list-style-type: none"> • Truck and equipment washing occurs inside garage along with vehicle Maintenance and repair. • Internal catch basins observed. Permittee indicated the catch basins conveyance is routed through an oil-water separator (not observed) then discharges into sanitary sewer, an upgrade from previous inspection. I observed re-paved surface showing conveyance re-routed towards sanitary (photo 1 & 2). • Oil/petroleum products, cleaners and other liquids stored inside garage in enclosed compartment. Spill kit nearby (photo 3). • Fueling station area observed. Concrete "pad" constructed to direct any storm runoff to "pad" catch basin that is equipped with BMP snout insert. No issues noted. Various surrounding catch basins are equipped with snout separators (photo 5 & 6). • Salt storage is under permanent cover and appeared maintained (photo 7). No major runoff concerns noted, area is sloped inward from salt storage entrance and surrounded by gravel/dirt lot and no catch basins nearby. Mr. Jonas indicated they will store some salt in adjacent garage during winter months to make salt transport/application easier. • Catch basins/ stormwater conveyance in this area lead to underground detention BMP on east end of the property (see photo 9). BMP appeared maintained; Permittee indicated they have had no issues with BMP. Flow baffles are in place and in good condition (photo 10). Discharge point is across Old French Road into Tributary of LeBoeuf creek, no concerns noted in this area (photo 11). <p>Previous PRP BMP's were evaluated, Community Park Rain Garden & Construction Yard Detention Basin:</p> <ul style="list-style-type: none"> • Community Park Rain Garden appeared in good condition (photo12). Appeared mostly dry aside from the pipe inlet area which Mr. Jonas indicated is usually a damp area. Cattails are to be removed and replaced with more native vegetation. No unusual substances observed in outlet end. BMP collects drainage from east soccer/baseball fields and some sheet flow from sloping soccer field. BMP has overflow discharge pipe that is roughly 2inches higher than main outlet discharge, which Mr. Jonas indicated rarely discharges. BMP drainage leads to the maintenance area eventually leading to the underground detention BMP described earlier (eventually discharging to the LeBoeuf creek tributary observed in photo 11). BMP appeared maintained. Mr. Jonas indicated observing a noticeable reduction in flow discharging into the LeBoeuf tributary during rain events since the BMP has been constructed. • Construction yard detention appeared very dry (photo 15). Basin is covered in grass and maintained. Rip rap on outlet end appeared intact. Collects drainage which is mainly sheet flow from around construction aggregate area. discharge is overland and was not observed. <p>Bioretention at Picnicana Park:</p> <p>Observed with vegetation, which appeared to be thriving. Receives flow from downspouts from adjacent storage structure and overland flow. Inlet catch was observed and was mainly clear of solids. Recommend keeping inlet basin clear of debris.</p>			

MS4 INSPECTION REPORT

Participants:

MS4 INSPECTION REPORT

01 Annual Status Report: 001 - WALNUT CREEK OUTFALLS

Annual Status Report

ASR-1	Has the Permittee submitted their most recent Annual Status Report in compliance with their permit	Yes	
ASR-2	Date the most recent Annual Status Report was received	09/28/2023	
ASR-3	Did the most recent Annual Status Report contain any administrative deficiencies identified by the reviewer	No	
ASR-6	Is the Annual Status Report made available for public review by the Permittee Notes: Mr. Jonas indicated past annual reports have been available/accessed through the townships stormwater management webpage. Currently they were unable to be located on the webpage, permittee intends to make reports available for review.	Yes	

02 PRP & TMDL Plan: 001 - WALNUT CREEK OUTFALLS

PRP & TMDL Plan

PRP-1	Is the Permittee required to have a Pollution Reduction Plan (PRP)	Yes	
PRP-2	Is the PRP available for review Notes: During inspection data points for proposed BMP 's to achieve pollutant reduction were provided/reviewed. BMP locations intended to be used to achieve reduction are the following; Erie market place (target), Bianchi south,Hawkeye hotel, rustic ridge(wet pond, rain garden), & calamar.	Yes	
PRP-3	Has the PRP been updated since permit issuance	Yes	
PRP-4	Has the updated PRP been made available for public comment; including documentation of published notice, writtens comments received, and record of consideration Notes: Once permittee completes design plans they will finalize PRP plan and start public review process.	Not Observed	
PRP-5	Describe steps taken by Permittee to implement PRP Notes: Permittee indicated they are still finalizing design plans with proposed BMP's, and will revise/finalize plan for submission to DEP.	-	
PRP-6	Is the Permittee required to have a Total Maximum Daily Load (TMDL) Plan	No	

03 MCM 1 (PEOP): 001 - WALNUT CREEK OUTFALLS

MCM 1

MCM1-1	Has the permittee developed and implemented a written Public Education and Outreach Program (PEOP) Notes: Copy of plan provided during inspection.	Yes	
MCM1-2	Is the PEOP reviewed, evaluated, and revised annually Notes: Permittee indicated plan is typically reviewed during completion of the annual report, which is sometime in September. Recommend including an annual review page within written plan that documents who & when plan was reviewed annually.	Yes	

MS4 INSPECTION REPORT

MCM1-3	Date of last PEOP review or update	Updated 1/2/2019	
MCM1-4	Has the permittee developed a list of target audiences that are present within the areas served by the MS4	Yes	
MCM1-5	Does the list include residents, businesses, developers, schools, and municipal employees	Yes	
MCM1-6	Is the list reviewed and updated annually	Yes	
MCM1-7	Date of last review or update of the list of target audiences Notes: Reviewed during September, see comments MCM1-2.	-	
MCM1-8	Has the permittee annually published at least one issue of a newsletter, a pamphlet, a flyer, or a website Notes: stormwater articles are targeted for quarterly publications in "News from the summit" newsletter. Stormwater mgmt webpage has been developed.	Yes	
MCM1-9	Does the publication include general stormwater information	Yes	
MCM1-10	Does the publication include a description of permittee's SWMP Notes: Township publishes a webpage entitled stormwater management found through the main township's webpage. General MS4 information can be found on the webpage. Recommend at least one of the quartely article and/or webpage incorporate language as required by BMP#3.	Yes	
MCM1-11	Does the publication include information about permittee's stormwater management activities	Yes	
MCM1-12	Has the permittee additionally implemented an alternative publication	Yes	
MCM1-13	Is the list of published material made available to the public	Yes	
MCM1-14	Is the list of published material reviewed, updated, and maintained annually	Yes	
MCM1-15	Date of last review or update for the list of published material Notes: Reviewed quarterly with newsletter. Webpage is updated as needed. Recommend documenting review of published material.	-	
MCM1-16	Do all publications contain stormwater educational information that address at least 1 MCM Notes: Recommended publication and/or webpage include a description of 1 MCM as required by BMP #3. Webpage informs on ms4 program.	Yes	
MCM1-17	Has the permittee distributed stormwater educational materials and/or information to the target audiences using a variety of distribution methods	Yes	
MCM1-18	Has the permittee selected and utilized at least two distribution methods annually, in addition to those required by BMP #3	Yes	
MCM1-19	Describe additional distribution methods Notes: Additional methods are calendar mailings with stormwater material, stormwater poster at municipal building, stormwater mgmt webpage. Permittee indicated using the township Facebook page (social media) for future stormwater information distribution. Township supervisor meeting is used to facilitate stormwater information and can be viewed through stormwater webpage, last meeting including stormwater material occurred March 6, 2023.	-	
MCM1-20	Does the PEOP demonstrate measurable improvements in target audience's understanding of stormwater impacts Notes: Measurable improvements are not discussed within plan.	-	

MS4 INSPECTION REPORT

04 MCM 2 (PIPP): 001 - WALNUT CREEK OUTFALLS

MCM 2

MCM2-1	Has the permittee developed and implemented a written Public Involvement and Participation Program (PIPP), which describes various types of possible participation activities and describes methods of encouraging the public's involvement and of soliciting the public's input Notes: Copy of written plan was provided	Yes	
MCM2-2	Is the PIPP evaluated and revised annually Notes: Permittee indicated plan is typically reviewed during completion of the annual report, which is sometime in September. Recommend including an annual review page within written plan that documents who & when plan was reviewed annually.	Yes	
MCM2-3	Date the PIPP was last evaluated and revised	Last rev 1/2/19	
MCM2-4	Does the PIPP include opportunities for public participation Notes: Usually during annual MS4 presentation occurring at public supervisors meeting. Meeting verified.	Yes	
MCM2-5	Does the PIPP include methods of routine conversation with shareholders	Yes	
MCM2-6	Has the permittee made MS4 program materials available to public or upon request Notes: Included on webpage. To be updated to include annual reports.	Yes	
MCM2-7	Has the permittee advertised to the public and solicited public input on ordinances, SOPs, and PRP prior to adoption or submission to DEP	Yes	
MCM2-8	For Ordinances and SOPs, has the permittee provided notice to the public, opportunities for public comment, documented and evaluated the public comments, and documented the permittee responses to comments prior to finalizing the documents	Yes	
MCM2-9	For PRPs, has the permittee complied with public participation requirements specified in Appendices D and E of the permit	Yes	
MCM2-10	Does the permittee regularly solicit public involvement and participation from target audience groups using available distribution and outreach methods	Yes	
MCM2-11	Does the permittee solicit public reporting of illicit discharges Notes: Illicit discharge information can be found on township stormwater webpage. A complaint form is included as way to communicate illicit discharges to the permittee.	Yes	
MCM2-12	Does the permittee assist the public in their efforts to help implement SWMP Notes: Previously the township utilized assistance from ECDP MS4 assistance program. Going forward the permittee intends to complete MCM#2, BMP #3.	Yes	
MCM2-13	Has the permittee documented and reported instances of cooperation and participation of local organizations or members of the public Notes: Documented participation and cooperation was provided by ECDP. MS4 Assistance from ECDP has discontinued. Going forward the permittee intends to complete this MCM#2, BMP #3.	Yes	

05 MCM 3 (IDD&E): 001 - WALNUT CREEK OUTFALLS

MCM 3

MCM3-1	Has the permittee developed and implemented a written Illicit Discharge Detection and Elimination (IDD&E) program Notes: A written copy of plan was provided and reviewed.	Yes	
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MS4 INSPECTION REPORT

MCM3-2	Does the IDD&E program include procedures for identifying priority areas	Yes	
MCM3-3	Does the IDD&E program include procedures for screening outfalls in priority areas	Yes	
MCM3-4	Does the IDD&E program include procedures for identifying the source of an illicit discharge when a contaminated flow is detected Notes: Found on page 3 of written plan	Yes	
MCM3-5	Does the IDD&E program include procedures for eliminating an illicit discharge Notes: Found on page 3 of written plan	Yes	
MCM3-6	Does the IDD&E program include procedures for assessing the potential for illicit discharges caused by the interaction of sewage disposal systems (e.g., on-lot septic systems, sanitary piping) with storm drain systems	Yes	
MCM3-7	Does the IDD&E program include mechanisms for gaining access to private property to inspect outfalls	Yes	
MCM3-8	Does the IDD&E program include procedures for program documentation, evaluation and assessment	Yes	
MCM3-9	Does the IDD&E program include procedures for addressing information or complaints received from the public Notes: Recommend providing more detail within plan.	Yes	
MCM3-10	Has the IDD&E program continued to be implemented and evaluated annually Notes: As indicated with other MCM's , plan is reviewed while completing annual report.	Yes	
MCM3-11	Date the IDD&E was last evaluated	8/30/24	
MCM3-12	Has the permittee developed and maintained maps that include permittee and urbanized area boundaries, location and number of all outfalls, location and names of all receiving surface waters** Notes: Reviewed onscreen mapping which revealed capability to be updated as needed.	Yes	
MCM3-13	Have the IDD&E program map(s) been updated and maintained annually Notes: Permittee indicated maps are updated as needed.	Yes	
MCM3-14	Date the last time IDD&E program map(s) were updated	Continuously	
MCM3-15	Has the permittee developed and maintained map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee**	Yes	
MCM3-16	Do the maps include components of the storm sewer collection system including but not limited to roads, inlets, piping, swales, catch basins, channels	Yes	
MCM3-17	Do the maps include privately-owned components of the collection system where conveyances or best management practices (BMPs) on private property receive stormwater flows from upstream publicly-owned components	Yes	
MCM3-18	Have the storm sewer collection system maps been updated and maintained annually	Yes	
MCM3-19	Date the storm sewer collection system map(s) were last updated Notes: Maps are updated regularly as new outfalls and storm sewer/ street maintenance occurs.	-	
MCM3-20	Does the permittee conduct dry weather screenings of its MS4 outfalls to evaluate the presence of illicit discharges	Yes	
MCM3-21	Does the dry weather screening program include identification of illicit discharge sources	Yes	
MCM3-22	Does the dry weather screening program include actions to remove or correct any illicit discharges	Yes	

MS4 INSPECTION REPORT

MCM3-23	Does the dry weather screening program include responses to reports received from the public or other agencies of suspected or confirmed illicit discharges	Yes	
MCM3-24	Does the dry weather screening program include implementation of enforcement actions if necessary Notes: Observed letter with ordinance sent to suspected illicit discharge	Yes	
MCM3-25	Does the dry weather screening program include reporting to DEP when necessary	Yes	
MCM3-26	Has dry weather screening occurred for each identified outfall within the frequency outlined in the permit	Yes	
MCM3-27	Has an inspection or sampling resulted from any outfalls discharging during dry weather screenings Notes: Observed sampling conducted from discharge from BMP retention pond	Yes	
MCM3-28	Does the permittee keep records of outfall observations each time an outfall is screened, regardless of the presence of dry weather flow, for 5 years	Yes	
MCM3-29	Is a summary submitted with the Annual MS4 Status Reports that contains the results of outfall inspections and actions taken to remove or correct illicit discharges	Yes	
MCM3-30	Are observation points used if any outfall is inaccessible Notes: Observation points are included on maps.	Yes	
MCM3-31	Has the permittee enacted a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4	Yes	
MCM3-32	Has notification been provided to DEP of the approval of any waiver or variance by the permittee that allows an exception to non-stormwater discharge provisions of an ordinance or SOP	Not Applicable	
MCM3-33	Does the permittee provide educational outreach to target audiences about the program to detect and eliminate illicit discharges Notes: Provided during supervisors meetings last meeting occurring march 6, 2023. Recommend improving dispersion to specific target audiences identified in PÉOP.	Yes	

06 MCM 4 (Construction): 001 - WALNUT CREEK OUTFALLS

MCM-4

MCM4-1	Does the permittee have a protocol in place to require responsible parties to have valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102 prior to issuing a building or other permit or final approval to those proposing or conducting earth disturbance activities Notes: Erie county conservation district (ECCD) oversees compliance with ch. 102.	Yes	
MCM4-2	Does the permittee have a protocol in place to notify DEP or the applicable county conservation district (CCD) within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42 Notes: An MOU was reviewed which included agreement terms with ECCD. A copy of the MOU was provided.	Yes	
MCM4-3	Has the permittee enacted an ordinance or developed a standard operating procedure (SOP) to require the implementation and maintenance of erosion and sediment control BMPs	Yes	
MCM4-4	Date the ordinance was enacted or SOP was put in place	6/3/2019	
MCM4-5	Is the permittee implementing and enforcing the ordinance or requiring the implementation of erosion and sediment control BMPs	Yes	

MS4 INSPECTION REPORT

07 MCM 5 (PCSM): 001 - WALNUT CREEK OUTFALLS

MCM 5

MCM5-1	<p>Has the permittee enacted an ordinance or developed an SOP to require post-construction stormwater management from new development and redevelopment projects</p> <p>Notes: Requires a signed O&m agreement with BMP owners. Land development: Summit township requires developer to post bonding for stormwater BMP's equal to 110% of the anticipated cost to complete the BMP's.</p>	Yes	
MCM5-2	<p>Is the permittee implementing and enforcing an ordinance or SOP to require the implementation and maintenance of post-construction stormwater management (PCSM) BMPs</p> <p>Notes: O&M agreements are on file. Letters are sent to BMP owners to remind of maintenance inspections, reviewed an example letter. Page 2 of stormwater BMP inspection program written plan describes enforcement procedure to ensure O&M of BMP's.</p>	Yes	
MCM5-3	<p>Has the permittee developed and implemented measures to encourage and expand the use of low impact development (LID) in new development and redevelopment</p>	Yes	
MCM5-4	<p>Do the measures encourage retrofitting LID into existing development</p> <p>Notes: Appendix B</p>	Yes	
MCM5-5	<p>Do the measures enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices</p>	Yes	
MCM5-6	<p>Does the permittee have a program in place to ensure adequate operation and maintenance (O&M) of all PCSM BMPs that have been installed at development or 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?</p> <p>Notes: Included in ordinance. O&M agreements are required and accessed through PCSM inventory specific BMP hyperlinks. A written stormwater BMP inspection program was provided and discussed. Permittee sends inspection reminder letters. BMP Inspections are only accepted if conducted/ signed by a PE licensed engineer ensuring O&M compliance. Permittee is tracking inspection status for each BMP.</p>	Yes	
MCM5-7	<p>Has the permittee developed an inventory of PCSM BMPs</p> <p>Notes: Reviewed inventory on computer.</p>	Yes	
MCM5-8	<p>Is the PCSM BMP inventory regularly updated and maintained annually</p> <p>Notes: Inventory appeared orderly and aligned with BMP mapping.</p>	Yes	
MCM5-9	<p>Date of last PCSM BMP inventory update</p> <p>Notes: A specific date was not known. Inventory is routinely updated as needed.</p>	-	
MCM5-10	<p>Does the inventory include all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003</p>	Yes	
MCM5-11	<p>Does the inventory include the exact location of the PCSM BMP (e.g., latitude and longitude, with street address)</p>	Yes	
MCM5-12	<p>Does the inventory include information (e.g., name, address, phone number(s)) for BMP owners and entities responsible for BMP O&M, if different from BMP owners</p>	Yes	
MCM5-13	<p>Does the inventory include the type of BMP and the year it was installed</p> <p>Notes: Information can be accessed through individual BMP hyperlink.</p>	Yes	
MCM5-14	<p>Does the inventory include maintenance required for the BMP type according to the Pennsylvania Stormwater BMP Manual or other manuals and resources</p> <p>Notes: information including schematic mapping of BMP can be accessed through hyperlink.</p>	Yes	

MS4 INSPECTION REPORT

MCM5-15	<p>Does the inventory include the actual inspection/maintenance activities conducted for each BMP</p> <p>Notes: BMP inspection documents can be accessed through inventory by clicking on the BMP hyperlink. Permittee provided example of hard copy of BMP inspection which was verified to be accessed through PCSM inventory.</p>	Yes	
MCM5-16	<p>Does the inventory include an assessment by the permittee if proper O&M has occurred during the year and if not, what actions the permittee has taken, or shall take, to address compliance with O&M requirements</p> <p>Notes: Provided in comments section in inventory. Inspection due dates along with previous inspection dates with reports are tracked in inventory.</p>	Yes	

08 MCM 6 (Housekeeping): 001 - WALNUT CREEK OUTFALLS

MCM 6

MCM6-1	<p>Has the permittee identified and inventoried all operations that are owned or operated by the permittee and have the potential for generating stormwater runoff to the regulated MS4</p> <p>Notes: A copy was provided during inspection.</p>	Yes	
MCM6-2	<p>Is the operations inventory reviewed and updated annually</p> <p>Notes: Recommend documenting review.</p>	Yes	
MCM6-3	<p>When was the operations inventory last reviewed and updated</p>	Rev. 8/12/19	
MCM6-4	<p>Has the permittee developed and implemented a written operation and maintenance (O&M) program for all operations that could contribute to the discharge of pollutants from the MS4</p>	Yes	
MCM6-5	<p>Does the O&M program include management practices, policies, and procedures to reduce or prevent the discharge of pollutants to the MS4</p>	Yes	
MCM6-6	<p>Does the O&M program include maintenance activities, maintenance schedules, and inspection procedures to reduce the potential for pollutants to reach the MS4</p>	Yes	
MCM6-7	<p>Does the O&M program include 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, salt / sand (anti-skid) storage locations and snow disposal areas</p>	Yes	
MCM6-8	<p>Does the O&M program include procedures for the proper disposal of waste, including dredge spoil, accumulated sediments, trash, household hazardous waste, used motor oil, street sweepings, and other debris</p> <p>Notes: Addressed with waste material from street cleaning.</p>	Yes	
MCM6-9	<p>Does the O&M program get reviewed and updated annually</p> <p>Notes: Recommend review page documenting when and who.</p>	Yes	
MCM6-10	<p>When was the O&M program last reviewed and updated?</p>	Rev. 8/12/19	
MCM6-11	<p>Has the permittee developed and implemented an employee training program</p> <p>Notes: Reviewed attendance sheet, 25 participants Including water authority employees.</p>	Yes	
MCM6-12	<p>Does the training program include the MS4 topics of Operation, Inspection, Maintenance and Repair, and the Permittee's stormwater management plan</p> <p>Notes: Recommend updating training to include information.</p>	Yes	
MCM6-13	<p>Is the training program conducted, reviewed, and updated annually</p>	Yes	

MS4 INSPECTION REPORT

MCM6-14	When was the training program last reviewed and updated Notes: Hollowed themed	10/27/23	
MCM6-15	Does the employee training documentation include dates, names of attendees, names of presenters, and topics covered	Yes	

MS4 INSPECTION REPORT

Inspection Images



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Photo # 1. One of many catch basins inside maintenance garage, routed to sanitary sewer through oil-water separator.



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Photo # 2. Series of internal catch basins inside maintenance garage. View of repaved surface from re-routing flow to sanitary.

MS4 INSPECTION REPORT



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Photo # 3. Oil and liquid products stored inside garage in enclosed room.



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Photo # 4. Spill kit inside garage near oil storage.

MS4 INSPECTION REPORT



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Photo # 5. Fuel station with spill kit near by. No evidence of spills. Concrete pad sloped to only drain into that catch basin which is equipped with snout separator.



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Photo # 6. Photo of snout insert in catch.

MS4 INSPECTION REPORT



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Photo # 7. Salt storage.



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Photo # 8. A series of catch basins lead from the direction of fuel station to underground detention BMP.

MS4 INSPECTION REPORT



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Photo # 9. Underground detention BMP area field.



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Photo # 10. Underground detention outlet end with view of baffle.

MS4 INSPECTION REPORT



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Photo # 11. Discharge pipe outlet into LeBoeuf tributary, across Old French Road. Detention BMP will discharge through left outlet.



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Photo # 12. Community park rain garden.

MS4 INSPECTION REPORT



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Photo # 13. Rain garden outlet.



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Photo # 14. Pipe inlet to rain garden.

MS4 INSPECTION REPORT



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Photo # 15. Construction yard detention. View of rip rap outlet end.