

Fisher Run, Olentangy River Watershed



City of Columbus Stormwater NPDES Permit

January 1, 2020 – December 31, 2020 (Ohio EPA Permit Number: 4PI00000*CD)

ANNUAL REPORT

CITY OF COLUMBUS ANNUAL REPORT

AUTHORIZATION TO DISCHARGE UNDER THE NPDES (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.) and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111), the City of Columbus is authorized by the Ohio Environmental Protection Agency, to discharge from all portions of the City of Columbus municipal separate storm sewer system, to waters of the State in accordance with the approved Storm Water Management Program, monitoring requirements, and other conditions specified in the permit.

January 1, 2020, through December 31, 2020: Ohio EPA Permit No. 4PI00000*CD

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.

John Newsome, P.E.

Administrator

Division of Sewerage and Drainage

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SECTION 1 – NARRATIVE SUMMARY

1.1 Annual Report Format and Content

On March 17, 2012, the Ohio EPA issued permit No. 4PI00000*CD to the City in which conditions for the City's Stormwater Management Program were defined. Permit No. 4PI00000*CD became effective on May 1, 2012 and expired on April 30, 2017. Program activities from January 1, 2020, through December 31, 2020, were conducted under permit No. 4PI00000*CD, with approved modifications, and are summarized in the following report.

1.2 Overview

The City of Columbus (City) owns and operates the municipal separate storm sewer system (MS4) defined as a system of conveyances and controls designed or used for collecting, conveying, and controlling stormwater runoff. The MS4 has been constructed since the founding of the City with the primary purpose of conveying and controlling drainage from developed areas such that standing water or flooding does not result from frequent storm events. As the City has developed and regulatory requirements have changed, the MS4 has grown to consist of drainage related appurtenances including storm sewers, catch basins, curb inlets, junction chambers, manholes, culverts, headwalls and endwalls, stormwater pump stations, ditches, manmade channels, detention facilities and post-construction water quality capture facilities. The MS4 discharges to Big Walnut Creek, Alum Creek, the Olentangy River, the Scioto River, Hellbranch Run, Rocky Fork Creek, lesser named creeks, and unnamed tributaries to each.

A Table of Organization that summarizes the program elements and the responsible party for each element under the City's SWMP (Stormwater Management Program) is provided in Appendix A.

1.3 Description of Evaluation Process

The effectiveness of the City's stormwater management program is assessed primarily through tracking BMP implementation. The department verifies or tracks BMP implementation and determines how a management program is being implemented. It is the primary tool for developing most of the City's measurable goals.

In preparation of the Annual Report, the City compiles tracking information to provide quantitative evidence of the extent of implementation of the various program elements. Data analysis for this type of monitoring consists of an annual summary of the program data and evaluation of trends as appropriate.

1.4 Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Table 1 summarizes the major findings, areas of accomplishment, areas of the stormwater program needing improvement and actions the City intends to take as part of its SWMP. More specific information about activities conducted during the 2020 reporting period is provided in Section 2.

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
Administrative	1. The City of Columbus annexed approximately 46 acres into the City's corporation limits in 2020.	1. Approximately 501 acres of land were annexed into the City of Columbus in 2019. Evaluation of these areas identified 4 home septic treatment systems, 6 stormwater outfalls, no industrial facilities, and 0 sites with post-construction water quality BMPs that were incorporated into the City's MS4 program.	The City has made improvements to various program areas as identified in the USEPA's February 6, 2018, inspection report. The work disruptions brought on by the pandemic in 2020 disrupted work on one remaining piece, full implementation of the comprehensive employee training program.	1. Evaluation of areas annexed in 2020 to identify additional Home Septic Treatment Systems (HSTS), stormwater outfalls, post-construction BMPs, and industrial locations will be conducted in 2021. 2. Several updates to the SWDM are to be incorporated with revisions required by a new permit.
Public Education and Public Involvement	1. The City's partnerships with local agencies, watershed groups and businesses continue to contribute to the success of our	In 2020, the City saw a 37% increase of participation in the GreenSpot Community Backyards program, which can assist residents with private property stormwater	The City continues to look for ways to measure the effectiveness of our stormwater education programs and the ways in which individual	1. In 2021 the residential target themes / audiences will continue to be: pet waste / dog owners, yard maintenance / homeowners, lawn

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
	stormwater	management. Blueprint	behaviors change as a	care businesses,
	education program.	Columbus also provided	result of outreach.	garden centers;
	2. Targeted campaigns	targeted stormwater and		methods of keeping
	and materials are	green infrastructure		stormwater
	aimed at specific	education in 4 targeted		onsite/homeowners,
	stormwater quality	neighborhoods where		landscapers, garden
	issues and changing	Stormwater BMPs		centers.
	behaviors. In 2020	would be installed, and		2. 2021 industrial
	through the city's	to OSU Engineering,		target themes /
	continue partnership	Environmental and		audience will
	with Franklin Soil	Natural Resources, and		continue to be:
	and Water	City Planning programs.		methods of keeping
	Conservation	Additionally, a stronger		stormwater onsite /
	District, the City	emphasis has been		water quality
	continued to provide	placed on electronic		impacts associated
	backyard water	promotion of programs		with land
	conservation and	and messaging in light		development;
	education to	of 2020 challenges. We		Importance of good
	Columbus residents	have found this allows		housekeeping / those
	and provided	us to achieve wider		who power wash,
	vouchers to assist	distribution.		sweep surfaces and
	individuals in			perform other
	implementing			outdoor cleanup
	Stormwater BMPs			activities; Fats Oil
	on their own			and Grease /
	property. We also			Restaurants,
	continued education			businesses and

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
Illicit Discharge	about lawn care practices; materials on proper paint/cement products disposal were distributed to small residential contractors and trades associations to prevent pollution from entering the storm sewer system. 1. Columbus Pubic Health (CPH) took action to correct 105 violations that were discovered in 2020. 58 violations were corrected, with 2 properties proceeded to enforcement through environmental court. 2. CPH has two properties slated for	1. In 2020, 14 HSTSs connected to the sanitary sewer system via a loan from the Septic Tank Elimination Program (STEP). 2. CPH issued orders to connect 13 properties to available sewer. 3. Nine sewer extension projects identified by a	Improvement	manufacturers whose byproduct or waste includes fats, oil or grease; and residential/small trades contractors, the new area of focus added previously in response to violations discovered by the IDDE program. 1. The City will continue to promote its STEP program in an effort to assist qualifying homeowners with abandonment of their HSTSs. 2. Columbus Public Health (CPH) will continue to issue tap orders to HSTS owners located near

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
	remediation through	prioritization process		an accessible
	a WPCLF Loan.	are in various stages		sanitary sewer.
		of planning. The		3. Sanitary sewer
		designs for three		extension projects in
		project areas have		various phases of
		been completed with		design and
		two more in process.		construction will
		4. Conducted 48 half-		provide access to
		day Food Service		approximately 300
		Programs to educate		properties with
		restaurant employees		existing HSTSs by
		about prevention of		2025.
		illicit discharges		
		during parking lot		
		and dumpster		
		cleaning, and		
		conducted 7 full-day		
		Food Service		
		Program training		
		sessions. These		
		programs were		
		attended by 344		
		restaurant		
		employees.		
		5. CPH again applied		
		for and received		
		\$150,000 from the		

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
		OEPA's Water		
		Pollution Control		
		Loan Fund		
		(WPCLF). These		
		funds will be used to		
		assist low to		
		moderate income		
		homeowners with		
		the repair or		
		replacement of		
		failing household		
		sewage treatment		
		systems. Up to 50%		
		of the funds granted		
		by the WPCLF loan		
		can be used to make		
		connections to		
		existing centralized		
		sanitary sewers		
		systems. The		
		principal forgiveness		
		subsidies neither		
		require a repayment		
		of principal nor any		
		payment of interest.		
Construction	Over the past thirteen		Mobile data input	1. The Erosion and
	years a total of 62,815		devices have previously	Sediment Pollution

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
	site specific sediment	-	been budgeted but	Control Regulation
	and erosion control		implementation of an	will be replaced in
	construction inspections		electronic inspection	2021 with a new
	have been performed in		and reporting system	Regulation for
	the City of Columbus.		will be delayed as the	Control of
	The average number of		effort was incorporated	Stormwater
	SWP3 inspections per		into a much larger	Pollution from Land
	year has been 4,486.		project that will replace	Disturbance.
			the City's	
			Computerized	
			Maintenance and	
			Enterprise Asset	
			Management Systems	
			for the Department of	
			Public Utilities. While	
			this project is at least a	
			few years away from	
			completion, the	
			program has already	
			begun transitioning	
			from a paper-based	
			planning and record-	
			keeping process to a	
			GIS-based system.	

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of	Areas Needing	Future Direction
		Accomplishment	Improvement	
Post Construction		 262 maintenance information packets were distributed to owners/management companies responsible for maintaining post-construction BMPs. The City utilized a private vendor to perform maintenance work at 620 city-owned bioretention facilities. 113 inspections of newly constructed BMPs were performed. 		1. The Stormwater Drainage Manual will be revised to include requirements for surety bonds prior to construction, professional certification after construction, and easements for access to maintain post- construction BMPs. 2. The City will provide training on the Inspection and Maintenance Guidance Manual to internal and external users.
Good Housekeeping/Pollution Prevention		Improvements at the Transportation Main Yard were completed in 2020. These included a new materials storage building and dedicated vehicle wash bay.	While the City has achieved the goal of implementing SWPPPs for all of the identified facilities, some of these documents remain in need of update.	1. Continue design of fueling system upgrades to reduce stormwater contamination at one remaining City location.

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of Accomplishment	Areas Needing Improvement	Future Direction
		Accompnishment	Improvement	2. Complete the implementation of a formal process for annual audit of all identified City facilities by DPU personnel.
Industrial and Related Facilities	 The names of industries that have been identified and contacted by the City that have not shown proof of permit or No Exposure Certification coverage are listed in Appendix P as Category 1 industries. The number of Category 1 industries decreased this reporting period since 17 industries were removed from the City's inventory and no industries re- 	22 No Exposure Certifications and 4 Industrial General Permits were acquired.		1. The City will schedule appointments with Ohio EPA throughout 2021 to retrieve copies of NOIs, General Permit confirmation numbers, and No Exposure application and confirmation letters for industries in its inventory.

Table 1 Summary of Major Findings, Areas of Accomplishment, Areas Needing Improvement, and Future Direction

Program Element	Major Findings	Areas of Accomplishment	Areas Needing Improvement	Future Direction
	applied for coverage			
	under OEPA Multi-			
	Sector General			
	Permit along with 13			
	industries that			
	applied for coverage			
	under OEPA No			
	Exposure			
	Certification.			
	3. Zero (0) No			
	Exposure			
	Certification			
	exemptions have			
	expired during this			
	reporting period.			
Wet Weather	1 51	NPDES-qualifying		The City is evaluating
Monitoring		samples were acquired		ideas that may provide
Č		during all four quarters		more focus on
		at each of the four		watersheds for which
		monitored sites.		there are TMDLs.

SECTION 2 – ASSESSMENT OF BEST MANAGEMENT PRACTICES

The SWMP is an on-going effort to reduce pollutant discharges from the MS4 to the maximum extent practicable. BMPs developed and implemented by various city departments and divisions in response to requirements specified in past and current MS4 permits are evidence of this effort. Compliance tasks are conducted and coordinated by the Department of Public Utilities, Division of Sewerage and Drainage, Stormwater and Regulatory Management Section. Based upon specific SWMP goals, compliance activities are delegated to different departments or divisions including Department of Public Service, Department of Public Safety, and Department of Recreation and Parks. Each of these departments administers practices targeted at reducing pollution from stormwater runoff. The City of Columbus continues to develop and improve a comprehensive employee training program, increase public awareness, foster inter-governmental and inter-community cooperation, and promote the improvement of stormwater runoff in local watersheds.

Ohio EPA permit 4PI00000*CD requires the City to develop and report on the implementation of BMPs and measurable goals for each element of the City's SWMP. The objective of stormwater BMPs is to control the quality and/or quantity of stormwater runoff to reduce the adverse impact on local receiving waters. BMPs are generally described as activities, regulation of practices, maintenance, structural controls, and management practices and procedures used to prevent or reduce the release of pollutants or otherwise prevent adverse impacts to surface waters. The following tables outline the BMP and measurable goal implementation status for each program component in the SWMP.

SWMP Component: Identify Target Pollutants

BMP PE1- Targeted Public Education Theme	<u>s</u>			
Status: Ongoing				
Measurable Goals	Summary of Activity During	Measura	ble Goals A	chieved?
Wedstraple Goals	Reporting Period ¹ :	Yes	No	Other
Distribute educational materials to reach at least 20% of city residents each year.	Bill inserts containing stormwater messages were distributed to over 280,000 ratepayers in both hard copy and electronic format via the DPU online billing portal. Enrollment in the online billing portal rose significantly during the pandemic, as customers who usually pay in person utilized alternatives due to in-person payment locations being closed. The actual number of hard copy inserts delivered by mail to customers ranged roughly between 230,000 and 240,000, but all online customers continue to receive either a pdf attachment of the quarterly inserts or a direct link to those inserts within their billing statements.	X		
2. Publicize at least 20 stormwater education messages annually using social media.	200+ stormwater education messages were published and cross-promoted on DPU, GreenSpot, and Blueprint Facebook pages, and periodic messages were shared via Twitter.	Х		
3. Review the list of targeted themes and audiences in Table 2-1 during preparation of the City's annual compliance report to Ohio EPA.	The list of targeted themes was reviewed and discussed with a focus on synthesizing messaging where audiences overlap and enhancing electronic resources to ensure	Х		

¹ See Appendix B for detailed summary of Public Education and Outreach activities.

BMP PE1– Targeted Public Education Th	<u>lemes</u>			
Status: Ongoing				
Measurable Goals	Summary of Activity During	Measurab	ole Goals	Achieved?
112400 01400 00420	Reporting Period ¹ :	Yes	No	Other
	information is easy to access and fully integrated. These efforts will continue in 2021.			
4. Continue pet waste campaign. Install and maintain signage and kiosks in parks.	296 residents pledged to pick up after their dog in 2020. The pet waste stations (with bags) installed in parks across the city and around the reservoirs were maintained and repaired throughout the year.	Х		
5. Develop yard maintenance program in 20 and begin implementation in 2016.	Conservation District continues to implement Get Grassy! messaging to a wide variety of stakeholders. The program increased electronic resources by creating videos such as "Summer Lawn Care Tips" and "3 Best Things to do with Fall Leaves." The program received 189 individual pledges this year. The program also offered a lawn mower blade sharpening discount through a limited partnership with Hilliard Lawn & Garden and the City Folks Farm Ship.	X		
6. Continue GreenSpot Backyard Conservation and rain barrel cost share program.	11 Columbus residents attended a workshop and 1,830 completed an online course on causes and prevention of stormwater pollution. Each resident was eligible to receive a rebate on a rain barrel, compost bin, native plants, or a tree.	Х		
7. Establish grant program for watershed organizations to promote green infrastructure credit and develop a	No new applications were received in 2020 for stormwater credits involving green infrastructure.			X*

BN	MP PE1– Targeted Public Education Theme	<u>es</u>						
Sta	Status: Ongoing							
	Measurable Goals	Summary of Activity During	Measural	ble Goals A	chieved?			
	wieasurable Goals	Reporting Period ¹ :	Yes	No	Other			
	mandatory training course as part of grant eligibility.							
8.	Continue public education through the Utility Update and GreenSpot application, outreach activities, webinars and social media.	GreenSpot recruited 1,533 new members in 2020 and participated in many webinars where measures such as washing the car over grass (or at a commercial car wash), picking up pet waste, installing rain gardens/rain barrels and reducing the amount of fertilizers, pesticides, and herbicides used on the lawn were discussed. 31 local businesses became GreenSpot members in 2020 and have committed to or have already taken steps that have a positive influence on reducing stormwater runoff and/or allowing more natural filtering to take place. A list of local businesses who have committed to take action to reduce stormwater runoff is provided in Appendix D. GreenSpot continued its commitment to the US EPA WaterSense program. As a signer we promote WaterSense through social media. As part of GreenSpot's Corporate Sustainability Initiative, the City's Pretreatment Program Manager presented information to 7 businesses on fats, oils and grease, stormwater pollution prevention, spill prevention control and counter control measures and green infrastructure. Participants learned about illicit connections, proper	X					

BMP PE1- Targeted Public Education	<u>Themes</u>					
Status:						
Ongoing Measurable Goals	Summary of Activity During	Measurah	Measurable Goals Achieved?			
Weasurable Goals	Reporting Period ¹ :	Yes	No	Other		
	container storage, proper waste storage, proper vehicle parking/storage, and site pollution prevention actions.					
	Blueprint Columbus continued to refine and distribute educational resources to residents about stormwater management and green					

infrastructure practices. The Outreach Team posted 108 updates/fun facts about green infrastructure and/or stormwater management,

Blueprint Outreach Team also launched a new website for Blueprint neighborhoods in summer 2020, which had over 5,000 visitors by the end

which received 17,523 impressions. The

Get Grassy! Provided an interview for the Home and Gardens section of the Columbus Dispatch on October 4th, 2020 titled "Longterm investment: Prepping your lawn now for winter can yield positive results come spring," reaching approximately 80,000 subscribers.

75 power washing companies have been

provided educational information since 2015.

of the year.

9. Identify power washer companies and

starting in 2015.

create/distribute educational information

Χ

BMP PE1- Targeted Public	Education Themes	<u>s</u>					
Status:							
Ongoing		Common of Astinita Design	Maggural	ala Caala A	A chicard 19		
Measurable Go	oals	Summary of Activity During Reporting Period ¹ :		ole Goals A			
		Reporting 1 criou .	Yes	No	Other		
10. Continue working with Co	lumbus Public	The City conducted an annual FOG training for					
Health's (CPH) Food Prote		CPH employees. 3,669 FOG inspections were	Х				
distribute FOG educational	l information.	performed at 3,002 licensed Food Service					
		Establishments.					
Planned Activity for Next		ess messaging gaps/needs to enhance or refine curr					
Reporting Period:		nessaging where audiences overlap and developing	g additional i	metrics to c	determine		
Discussion:	campaign effectiv	veness. ues to engage the community through speaking en	ga gamanta a	and tabling	(hoving o		
Discussion.		or 2020 saw 26 presentations by GreenSpot. Another					
		fall of 2020 and there have been regular social me					
		d Clintonville was engaged on water conservation		-			
		r conservation tips, native tree and flower plantings along with installing rain					
		Home Owners green guides were distributed to po	_	_			
		eda Social Services (ETSS) and an additional 100 of					
		on Center, 100 through Green Columbus, and 50 th					
		guide has a water protection and conservation sec					
	*	on of the GreenSpot Home 101 to 200 adults. This	•				
	· · · · · · · · · · · · · · · · · · ·	rve water. Organizations that have demonstrated su		_			
		were recognized at our virtual GreenSpotLight Aw ection messages were included in the GreenSpot e					
	with the green inf This includes coll	es to develop new educational materials and investigate installations to increase awareness and aboration with community gardening groups/civic schools in Blueprint neighborhoods.	appreciation	n of these f	eatures.		

BMP PE1- Targeted Public Edu	cation Theme	<u>s</u>					
Status: Ongoing							
Measurable Goals		Summary of Activity During	Measurable Goals Achieved?				
Wicasul able Goals		Reporting Period ¹ :	Yes	No	Other		
* The City has increased awareness of the GI Credit program by providing an information brochure during preliminary site development meetings instead of pursuing the grant program.							

SWMP Component: Proper management and disposal of used oil and toxic materials

Status: Ongoing				
Measurable Goals	Summary of Activity During Reporting Period:		urable (chieved	
		Yes	No	Other
Publicize locations of recyclers of used oil and tires through SWACO.	 Instructions on how to properly dispose of used tires and motor oil are posted on the SWACO web site: http://www.swaco.org/Residents/disposal-information.aspx Household hazardous waste (HHW) recyclers, dates and locations of HHW drop off events coordinated by SWACO are posted on the SWACO web page: http://www.swaco.org/Residents/HouseholdHazardousWaste.aspx Information on HHW disposal and link to SWACO site available on Division of Refuse web page within the Columbus Public Service Department: http://www.columbus.gov/Templates/Detail.aspx?id=64642 	X		
•	or exceed measurable goals.			
for Next Reporting Period:				
Discussion:				

SWMP Component: Inform individuals of proper disposal of household hazardous and toxic materials

BMP PE3/PI5 – Educate Genera Status:	l Public about Household Hazardous Wastes and Drop Off/Collec	<u>tion</u>			
Ongoing Measurable Goals	Summary of Activity During Reporting Period:		Measurable Goals Achieved?		
		Yes	No	Other	
Publicize locations of collection and recyclers of household hazardous waste (HHW) through SWACO.	Publicized location of HHW drop off locations and times through the Solid Waste Authority of Central Ohio (SWACO), which coordinates HHW events in Franklin County. SWACO HHW web page is: http://www.swaco.org/Residents/HouseholdHazardousWaste.aspx. This page also is accessible through a link on the Division of Refuse web page within the Columbus Public Service Department http://www.columbus.gov/Templates/Detail.aspx?id=64642	Х			
2. In cooperation with SWACO, conduct annual HHW drop off events each year.	 Zero HHW drop-off events were conducted in 2020. The City maintains a permanent HHW drop-off facility at 645 E. 8th Avenue. 		X*		
3. Track amount of HHW collected per year.	Collected 229 tons of HHW.	Х			
for Next Reporting Period:	exceed measurable goals.	00.2			
Discussion: * The res	sources for HHW collection continue to be focused on the permanent d	lrop-off fa	cılıty.		

SWMP Component: Residential Lawn Care Program

BI	BMP PE4 – Educate Lawn Care Businesses and General Public About Lawn Chemicals and Yard Waste							
	Status: Ongoing							
	Measurable Goals	Summary of Activity During	Measura	ble Goals A	chieved?			
	Measurable Goals	Reporting Period:	Yes	No	Other			
1.	Include in the stormwater edition of the Utility Update distributed to 310,000 rate payers.	The Spring stormwater edition included six tips on ways to care for yards in a way that prevents pollutants from entering waterways.						
2.	Develop yard maintenance nutrient management program in 2015 and begin implementation in 2016.	Through the Get Grassy! campaign, 189 Columbus residents pledged to maintain their yards and manage nutrients in a way that benefits water quality. Nine lawn care businesses and nurseries of various sizes were provided 11,100 hot cards to distribute to their customers. Get Grassy! attended the 2020 Lawn Mower Clinic hosted by the Ohio State University on March 29, 2020, and provided a table display including Get Grassy! pledge information	X					
3.	Publicize City's yard waste collection/recycling program offered through the Division of Refuse.	 Publicized recycling tips for homeowners through the Division of Refuse website at: http://www.columbus.gov/RecyColumbus/while highlighting/promoting the city's new curbside recycling program through our Facebook page. Publicized yard waste residential collection program through the Division of Refuse website at: http://www.columbus.gov/yardwaste/ 	X					

BMP PE4 - Educate Lawn Care Businesses and General Public About Lawn Chemicals and Yard Waste							
Status: Ongoing							
Measurable Go	valc	Summary of Activity During	Measural	ble Goals A	Achieved?		
Measurable	als	Reporting Period:	Yes	No	Other		
		3. Shared several social media reminders about the availability of yard waste collection as well as the benefits to stormwater quality.					
Planned Activity for Next Reporting Period:	additional outlets will explore targe agents, GreenSpo	Planned Activity for Next Reporting Period: Get Grassy! will continue to focus on identifying additional outlets and strategies to distribute messaging and reach new individuals. The program will explore targeted lawncare education to new homeowners through collaboration with real estate agents, GreenSpot New Americans program, and develop additional educational videos to promote through social media and other electronic channels.					
Discussion:	* During 2020, participation in the online billing portal spiked as the pandemic forced in-person payment locations to close, and the customers who used them turned to online alternatives. The number of customers who received physical, hard copy inserts ranged between 230,000 and just over 240,000. All customers continue to receive either a hard copy of the insert (via postal mail), an electronic/pdf version of the insert (via the billing portal) insert, or a direct link to those inserts (also via the billing portal). Additionally, all stormwater-related information and guidance provided within these inserts remains available 24/7 on the department's website; topics are seasonally highlighted as appropriate and are also periodically emphasized through social media.						

Required SWMP Component: Create opportunities for citizens to participate in the implementation of stormwater activities.

Status:				
Ongoing Measurable Goals	Summary of Activity During	Measura	ble Goals	Achieved?
	Reporting Period:	Yes	No	Other
Track the number, types and locations of new GreenSpot signups annually and evaluate trends over time.	New GreenSpot businesses fell into these types: 20 offices, education, nonprofits; 8 industrial and commercial; 3 restaurants, grocers, and retail stores. Trends continue: large businesses that participate in the GreenSpot Sustainability Initiative course tend to encourage their employees to become household GreenSpot members.	X		
2. Increase the number of GreenSpot households by 1,500 new signups annually.	1,509 households became GreenSpots.	Х		
3. Increase the number of GreenSpot businesses by 10 percent annually.	GreenSpot Businesses increased by 2 percent.		X*	

Planned Activity for Next Reporting Period:

GreenSpot continues to engage the community through speaking engagements and virtual tabling/presentations. We started another Sustainability Initiative class in the fall of 2020, have regular social media postings, engaging Clintonville through our GreenSpot Neighborhood program on water conservation tips, distributed a New Home Owners Green Guide which has a conserve and protect water section, celebrate organizations that have demonstrated successes in conserving and protecting water at our virtual GreenSpotLight Awards Celebration, and including water conservation/protection messages in the GreenSpot eNewsletters and on social media. Additionally, pivoted and created a three-part recorded presentation for the COSI Science Festival. In 2020 the GreenSpot Advisory Board laid the foundation for "GreenSpot Conversations" which is a webinar series on sustainable topics and interviews with allies. This will launch in 2021. Additionally we are encouraging people to plant trees which helps with water quality. We will hold a 2021 GreenSpotLight Award celebration highlighting the green savings members are experiencing, and will continue to work in the Opportunity Neighborhoods like Linden in encouraging 300 households to install water efficient shower heads.

BMP PE5 – Develop and Implement Program Assessment Mechanisms								
Status:								
Ongoing								
Measurable Goals		Summary of Activity During	Measura	Measurable Goals Achieve				
		Reporting Period:	Yes	No	Other			
Discussion:	* The City fell sh	ort of a 10% increase in GreenSpot businesses. Bu	isiness outre	each contin	ues. The			
	GreenSpot Advis	ory Board continues to recruit businesses, howeve	r with the p	andemic th	is posed to			
	be challenging. N	MORPC included recruitment of GreenSpot member	ers in their S	Sustainable	2050			
	document but mo	evement on this initiative has been slowed due to the	ne pandemio	c. The				
	"MyGreenSpot"	tracking tool has allowed our businesses to report t	their water	commitmen	its.			
	Overall the busin	esses membership has made 10,189 commitments	and metric	inputs to co	onserve			
	and protect water	. Additionally, big outreach efforts that resulted in	recruiting i	in large nun	nbers			
	includes our ReC	follect reminder call which netted about 200.						

BMP PI1 – Opportunity for		nt, Storm Drain Marking Project					
Status:							
Ongoing			1				
Measurable Go	als	Summary of Activity During	Measurab	ole Goals A	chieved?		
		Reporting Period:	Yes	No	Other		
1. Solicit 150,000 homes for participation into the program via brochure distribution and/or bill inserts.		Distributed bill inserts to more than 280,000 residents.	Х				
2. Distribute 300 storm drain volunteer groups per year.	markers to	Distributed 0 storm drain markers.		X*			
Planned Activity for Next Reporting Period: Discussion:		orker distribution did not occur in 2020 due to rest	on did not occur in 2020 due to restrictions caused by the pandemic.				
	Plans to promote the storm drain marker program more often and to a wider audience in 2020 we shelved by the pandemic, as working remotely prevented access to the markers and adhesive - an also to the department's mailing account, which covers the cost of mailing the materials to those who request it. As a consequence, no markers/adhesive were distributed during the year. The goal for 2021 is to both resume and increase promotion and distribution of these materials.						

BMP PI2 – Central Ohio Riv	er Pride and Oth	er Waterway Litter Cleanups			
Status: Ongoing					
	-1-	Summary of Activity During	Measurab	le Goals A	Achieved?
Measurable Goals		Reporting Period:	Yes	No	Other
Organize at least one stream or river cleanup per year.		The City organized one cleanup and publicized via social media several others organized by partner organizations.	Х		
2. River Pride cleanups will be least 150,000 Columbus he encourage public participations.	ouseholds to	Six events were promoted via social media. River Pride cleanups were also publicized on the DPU Web site and 614-645-STREAM line.			X*
Planned Activity for Next Reporting Period:	Meet or exceed n	neasurable goals.			
Discussion:	* Our partner organizations, including waterway advocacy groups, have indicated the due date for materials to be published within our spring billing insert (usually early/mid March) is too early for their schedules. They promote their own events through social media; while such events were reduced in number during 2020 due to the pandemic, DPU continued to publicize those partner events - as well as the River Pride program as a whole - by sharing cleanup and related water quality events on our social media outlets as they are received from those partners.				

BMP PI3 – Onsite Stormwat		ent and I at despation Activities			
Status: Ongoing					
Measurable Goals		Summary of Activity During	Measurab	le Goals A	chieved?
Wedsurable Go	ais	Reporting Period:	Yes	No	Other
1. Publicize and provide opportunity for onsite residential stormwater retention activities.		The GreenSpot Community Backyards program was publicized in the Utility Update, GreenSpot e-newsletter, and Franklin Soil and Water newsletters.	х		
Track number of rain barrels sold through the rain barrel cost share program and rain gardens installed through the GreenSpot Community Backyards program.		1,830 Columbus residents participated through the online course in 2020. 11 Columbus residents participated through the virtual Zoom workshop on July 25, and all in-person workshops were cancelled due to COVID-19. 735 participants (approximately 40%) went on to implement a backyard conservation practice, receiving a \$50 rebate for rain barrels or native plants. 134 participants received a \$50 rebate for compost/vermicompost bins provided by SWACO.	X		
Planned Activity for Next	Meet or exceed m	neasurable goals.	<u> </u>		1
Reporting Period:					
Discussion:	GreenSpot Community Backyards remains one of our most popular residential stormwater programs, and saw a 37% participation increase this year. Though additional promotion avenues were identified, the increase of participation in 2020 meant that vouchers were not available for participants, and so additional promotion of the program was not necessary this year as more tha 100 participants were placed on a waiting list. We expect this trend to continue and increase. In order to accommodate this increased demand, we are implementing changes in our vouchers 2021. After a review of how the vouchers were being used, we determined that the majority of				renues le for all ore than se.

BMP PI3 – Onsite Stormwater	Retention				
Status: Ongoing					
Measurable Goals		Summary of Activity During	Measura	ble Goals A	Achieved?
		Reporting Period:	Yes	No	Other
N S	vouchers were being used for plants/perennials. Given the relatively lower cost of plants/perennials, we will reduce vouchers for this type of stormwater management from \$50 to \$25, while keeping the \$50 vouchers for trees and rain barrels. This will allow us to serve more residents and encourage more use of at-home stormwater runoff strategies.				

Summary of Activity During	Measurable Goals Achieved?		
Reporting Period:	Yes	No	Other
 1. 121 pet waste stations were maintained in 94 city parks and at City Hall. 2. A total of 16 stations were maintained at city reservoir parks. 	х		
 564,000 pet waste bags were used at city parks. 21,200 pet waste bags were distributed at city reservoir parks. An additional 8,100 bags were disturbed through other means. 	Х		
1	•		
У	parks 1. 121 pet waste stations were maintained in 94 city parks and at City Hall. 2. A total of 16 stations were maintained at city reservoir parks. y 1. 564,000 pet waste bags were used at city parks. 2. 21,200 pet waste bags were distributed at city reservoir parks. An additional 8,100	Reporting Period: 1. 121 pet waste stations were maintained in 94 city parks and at City Hall. 2. A total of 16 stations were maintained at city reservoir parks. y 1. 564,000 pet waste bags were used at city parks. 2. 21,200 pet waste bags were distributed at city reservoir parks. An additional 8,100 bags were disturbed through other means.	Reporting Period: Yes No Parks 1. 121 pet waste stations were maintained in 94 city parks and at City Hall. 2. A total of 16 stations were maintained at city reservoir parks. y 1. 564,000 pet waste bags were used at city parks. 2. 21,200 pet waste bags were distributed at city reservoir parks. An additional 8,100 bags were disturbed through other means.

Gt. 4		•			
Status:					
Ongoing, as needed					
Measurable Goals		Summary of Activity During Reporting Period:	Measurable Goals Achieved?		
			Yes	No	Other
1. Perform 400 inspections pe	er year of	344 inspections of reservoir landowner			
reservoir landowner properties in the Land		properties under the Land Stewardship Program		X	
Stewardship Program.		were conducted.			
2. Make 250 contacts per year to provide		279 contacts were made to contiguous			
information and assistance to reservoir		neighbors regarding the maintenance of City of	X		
landowners in preparing or complying with		Columbus reservoir property and the land			
a Land Stewardship Agreement.		stewardship program.			
Planned Activity for Next	Meet or exceed n	neasurable goals.	<u> </u>		
Reporting Period:		č			
Discussion:	The number of in	aspections was reduced in 2020 due to the Covid-19) pandemic a	nd staff va	acancies.

SWMP Component: Public Involvement and Participation Activities

Status: Ongoing Measurable Goals	Summary of Activity During Reporting Period:	Measurab	le Goals A	chieved
ivicusurusie Gouls		Yes	No	Other
1. Publish public meeting dates and locations on the City's web site and/or by email/mail subscriber notification.	All Columbus City Council meeting dates are published on the City's website. Special Council meetings directly involving Public Utilities are also shared via social media. ²	х		
2. Hold at least one public hearing per year or meeting where residents can comment on stormwater services. This may include City Council's annual hearing on stormwater, sanitary and water rates or meetings between DPU and the Central Ohio Watershed Council to keep information current and answer any questions about water quality concerns.	 Conducted six public meetings/hearings (one special rate hearing at City Council and five Sewer and Water Advisory Board meetings). DPU director, deputy director, assistant director for sustainability and division administrators met quarterly with members of Central Ohio Watershed Council to share information and answer any questions and concerns. 	Х		
3. Make available public comment opportunities at City Council meetings.	Public comment opportunities are available at all Columbus City Council meetings, as well as during Council's annual rates hearing. Public comment is also invited at all Sewer and Water Advisory Board meetings, held at DPU throughout the year.	х		

² See Appendix E for list of City Council meeting/hearing dates held during the reporting period.

BMP PI7 – Public Hearings	and Presentations				
Status: Ongoing					
Measurable Goals		Summary of Activity During Reporting Period:	Measurable Goals Achieved?		
			Yes	No	Other
Discussion:	Except City Council meetings prior to mid-March, all meetings were online/virtual but publicized				
	and open to publi	c comment the same as in previous years.			

BMP PI8 – GreenSpot Status:						
Measurable Goals	Summary of Activity During Reporting Period:	Measurable Goals Achieved				
		Yes	No	Other		
1. Inspire and educate residents, businesses and non-profit/community groups on how to live greener, more sustainable lives, including tips on water quality protection, through various outreach efforts.	The GreenSpot outreach/publicity materials included two features in Franklin Soil and Water Conservation District's newsletter to teachers, direct teacher contact to 100 educators, SWACO's home page banner slot, use of the Recollect reminder service (went out to 100,000 people), Next Door (goes out to 60,000 people), tabling and/or presenting at 26 vitual events (examples include: Kids Crest Fest, 1st African Heritage Night, State of the City, Columbus Green Drinks, various OSU presentations to groups, Columbus Realtors, MORPC staff, GEMS school, Simply Living, and more). The program also held 9 webinars covering an array of sustainability topics. More than 400 GreenSpot Kids books (which include water conservation) were distributed through the Ethiopian Tewahedo Social Services. We included dozens of activities (some GreenSpot, some not) on our website for educators to download. The City posted dozens of posts on Facebook and Twitter about conserving and protecting water. From the MyGreenSpot tracking it can be seen that all household members have collectively made 163,344	X				

BMP PI8 - GreenSpot **Status:** Ongoing **Summary of Activity During** Measurable Goals Achieved? **Measurable Goals Reporting Period:** Yes Other No commitments to conserving and protecting water. Adjusted the individual dashboards for GreenSpot members to track their water conservation efforts. The City had 280 people commit to install a rain barrel on their property. Additionally over the course of the program 532 people have installed water efficient fixtures (toilets, shower heads, and aerators). 2. Track the number, types, and locations of New GreenSpot businesses fell into these types:

and commercial; 3 restaurants, grocers, and evaluate trends over time. retail stores. Continued trends include: large Χ businesses that participate in the GreenSpot Sustainability Initiative course tend to encourage their employees to become household GreenSpot members. 3. Increase the number of GreenSpot 1,509 households became GreenSpots. Χ households by 1,500 new signups annually. 4. Increase the number of GreenSpot GreenSpot Businesses increased by 2 percent. Χ* businesses by 10 percent annually.

20 offices, education, nonprofits; 8 industrial

new GreenSpot signups annually and

BMP PI8 – GreenSpot					
Status:					
Ongoing		C	λσ	1. C . 1. A	. 1 10
Measurable Go	oals	Summary of Activity During Reporting Period:	Measura	ole Goals A	Acnievea ?
		Reporting 1 eriou.	Yes	No	Other
Planned Activity for Next Reporting Period:	tabling/presentation regular social means on water conservation protect water sect protecting water a conservation/protect protecting water a conservation/protect and create quantity and quality and quality and quality. We will be members are expensed to the conversations with the conversations will be members are expensed to the conversation will be conversation with the convers	ues to engage the community through speaking engons. We started another Sustainability Initiative cladia postings, engaging Clintonville through our Greation tips, distributed a New Home Owner Green	ass in the far eenSpot Ne duide which d successes and includi d on social a Science Fes e foundation nterviews we es which he shlighting that	Il of 2020, I ighborhood has a cons in conservi ng water media. Add tival on wan for "Green with allies." elps with water green sav	I program erve and ing and litionally, ter nSpot This will ater vings
Discussion:	* The City fell sh GreenSpot Advise	00 households to install water efficient shower head ort of a 10% increase in GreenSpot businesses. Businesses Businesses, however FORPC included recruitment of GreenSpot members	siness outre with the pa	andemic thi	s posed to
	document but mo "MyGreenSpot" to Overall the busine and protect water	vement on this initiative has been slowed due to the racking tool has allowed our businesses to report the esses membership has made 10,189 commitments at Additionally, big outreach efforts that resulted in collect reminder call which netted about 200.	e pandemic heir water c and metric i	. The ommitment of the column is to column it in the column it in the column is to column it in the column it in the column is to column it in the column it in the column is to column it in the column it in the column is to column it in the column it in the column is to column it in the column is to column it in the column it in the column is to column it in the column it in the column is the column it in the c	ts. nserve

PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS AND PUBLIC INVOLVEMENT / PARTICIPATION

SWMP Component: Public Involvement and Participation Activities

Status:					
Ongoing	•	Summary of Activity During	Measurab	le Goals A	Achieved?
Measurable Goals		Reporting Period:	Yes	No	Other
1. Provide opportunities for children to participate in events annually.		The Central Ohio Children's Water Festival was not held in 2020.		Х	
2. Track the estimated number of participants in children's events annually.		The water festival was not held in 2020.			Х
Planned Activity for Next Reporting Period:	None.				
Discussion:	The Central Ohio	o Children's Water Festival will not be held in 20	21 due ongoin	g public h	ealth
	concerns.				

PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS AND PUBLIC INVOLVEMENT / PARTICIPATION

SWMP Component: Hotline

Status:				
Ongoing Measurable Goals	Summary of Activity During	Measurab	le Goals A	Achieved?
Measurable Guais	Reporting Period:	Yes	No	Other
1. Establish a hotline for residents to call to report illicit discharges.	Made hotline available to city residents to report illicit discharges. The hotline phone number is 614.645.STREAM (7873).	х		
Publicize hotline in at least one publication each year.	 Distributed bill inserts in which the hotline number was provided. Publicized hotline number on DPU website and the DPU Facebook page. Storm drain markers applied on inlets bear this hotline number. Information cards and a door hanger educate residents and new City employees on stormwater pollution and prominently display the 614.645.STREAM hotline. 	X		
Planned Activity for Next Meet or exceed n	neasurable goals.			
Reporting Period: Discussion:				

Required SWMP Component: Prohibit Non-Stormwater Discharges

Status: Completed					
Measurable Goa	ale	Summary of Activity During	Measurab	le Goals A	Achieved?
Weasurable Go	115	Reporting Period:	Yes	No	Other
Review City Code at the beginn five-year permit cycle, compari EPA permit regulations, and the the codes as necessary.	ng the codes to	Columbus City Code Chapter 1145 currently provides the legal authority to prohibit illicit discharges to the MS4 as well as spills and the dumping or disposing of materials other than stormwater into the MS4; to require compliance with conditions in ordinances, permits, contracts or orders; to inspect operators of construction sites and industrial and commercial activities and to receive and collect necessary information such as stormwater plans and operating procedures, and to effectively respond to violations.	X		
-	Meet or exceed m	neasurable goals.			
Reporting Period:					
Discussion:					

SWMP Component: Mapping

BMP ID2 – Storm Sewer Map	ping				
Status:					
Ongoing, annually					
Measurable Goa	ls	Summary of Activity During	Measurab	le Goals A	Achieved?
Wiedsuruble God		Reporting Period:	Yes	No	Other
Annually review and update existing MS4 infrastructure and appears of the existing MS4 infrastructure and appears	11 0	 6 outfalls were added to the City's inventory during this reporting period. New elements of the City's storm sewer system were continually added throughout the year as new development and redevelopment plans were reviewed and approved by the City. Refer to the City's Stormwater Management Plan for more information on the City's mapping process. 	X		
2. Annually review and update, if necessary, the list of HSTSs that have been found to		Field investigations and records research has identified 79 HSTSs that discharge to the City's MS4. ³	Х		
discharge to the City's MS4. Planned Activity for Next	Meet or exceed n				
Reporting Period:	Micci of exceed fi	icasuravic guais.			
Discussion:	The number of H	STSs that discharge to the MS4 dropped from 81 in	n 2019 to 79	in 2020 d	ue to
	success in connec	eting two discharging properties to the sanitary sew	er.		

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³ See Appendix F for addresses of known HSTSs that discharge to the City's MS4.

SWMP Component: Illicit Discharge Detection Program

BMP ID3 – Dry Weather Fie	eld Screening Proc	cedures and Activities			
Status: Ongoing					
Measurable Go	nals	Summary of Activity During	Measurab	ole Goals A	Achieved?
1/1eusurusie Ge	,	Reporting Period:	Yes	No	Other
Review annually for update written dry weather field screening procedures.		No changes were warranted to the written dry weather field screening procedures included in the City's Stormwater Management Plan.	Х		
2. Field crews will receive an dry weather field screening	_	Stormwater sampling field crews attended four training sessions to review proper screening procedures ⁴ .	Х		
3. Dry weather field screen 2 outfalls each year.	0% of MS4	 533 outfalls, or 17% of MS4 outfalls, were field screened during this reporting period⁵. 18 outfalls exhibited measurable flow during dry weather screening. 		X*	
Planned Activity for Next Reporting Period:	Meet or exceed n	neasurable goals.			
*The dry weather field screen goal of 20% was not achieved due to disruptions in work caused to the pandemic. Only 18 outfalls exhibited measurable flow, which is a significant reduction from typical year. This is likely due to antecedent dry periods when the outfalls were screened which partly the result of limited staff availability, especially during the Spring. Dry Weather field screen will be emphasized in 2021 to achieve the 20% goal.					

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 ⁴ See Appendix G for training summary of City personnel.
 ⁵ See Appendix H for dry weather screening results.

SWMP Component: Illicit Discharge Detection Program

BMP ID4 – Illicit Discharge I	nvestigations				
Status: Ongoing, as needed					
Measurable Goa	alc	Summary of Activity During	Measurab	le Goals A	chieved?
Measurable Goa	115	Reporting Period:	Yes	No	Other
1. Review for update, written procedures that describe how to identify and trace illicit discharges and who should be notified in the instance of an illicit discharge, spill, or illegal dumping.		Illicit discharge investigation and reporting procedures were reviewed during this reporting period ⁶ . No changes were warranted this period.	Х		
2. Train investigators annually on established procedures for illicit discharge investigation, response, and notification.		Field crews attended four training sessions to review illicit discharge detection and notification procedures ⁷ .	х		
3. Investigate each illicit disch during dry weather field screen		No illicit discharge found during dry weather screening conducted in 2020 ⁸ .	Х		
4. Respond, when notified, to each instance of a spill, illegal dumping, sanitary discharge, failing HSTS discharge, or industrial release per the established procedures.		 Received 170 reports of illicit discharge from general public.* Responded to 170 reports of illicit discharge as reported by the general public⁹. 	х		
Planned Activity for Next	Meet or exceed m				
Reporting Period:		-			
	*Of the 170 docu of an illicit discha	mented reports of illicit discharges, 94 investigation arge.	ns resulted i	n the iden	ification

 ⁶ Written investigation procedures are included in the City's current Stormwater Management Plan.
 ⁷ See Appendix G for training summary of City personnel.
 ⁸ See Section 3.2 for more information about these investigations.
 ⁹ See Appendix I for summary of illicit discharge reports and investigations.

SWMP Component: Illicit Discharge Detection Program

Status: Ongoing						
	Measurable Goals	Summary of Activity During	Measurab	le Goals A	chieved?	
		Reporting Period:	Yes	No	Other	
1.	Maintain a list of HSTS addresses that can be feasibly connected to the City's central sanitary sewer system through service lateral installation.	The City ordered 13 properties to connect to the sanitary sewer system, 7 Notices of Violation were issued to property owners who failed to comply with an order, and 5 properties were referred to Environmental Court for failure to timely connect.	Х			
2.	Inspect all known, off-lot discharging HSTSs annually.	All known, off-lot discharging HSTSs were inspected.	Х			
3.	Track properties that connect to the City's central sanitary sewer system.	38 properties connected to the sanitary sewer system.	Х			
4.	Track properties that participate in the City's STEP program.	14 applicants received loans through the Septic Tank Elimination Program (STEP) to abandon their HSTS and tie into the City's sanitary sewer system.	х			
5.	Develop a process to identify and prioritize for future sanitary sewer extension areas.	 The City completed the prioritization process and developed a list of the top 6 areas. The design of five areas has begun and the contract for design of the sixth area will be awarded next year. An additional three priority areas were identified for future sanitary sewer extensions. 	Х			

BMP ID5 – Management of Home Septic Tre	atment Systems			
Status: Ongoing				
Measurable Goals	Summary of Activity During Reporting Period:	Measurab Yes	ole Goals A	Achieved? Other
Discussion:				

Required SWMP Component: Illicit Discharge Training, Tracking and Elimination Program

Status: Ongoing, as needed Measurable Goals	Summary of Activity During	Measurab	le Goals A	Achieved?
Weasurable Guais	Reporting Period:	Yes	No	Other
1. Train upon hire all new employees on the identification of illicit discharges and proper reporting procedures to the City's IDDE section.	242 new city employees were presented with information on illicit discharge identification and reporting.	х		
2. Enter results of illicit discharge investigations into tracking database for each illicit discharge investigated.	Added 170 reports of illicit discharge to the City's tracking databases.	Х		
3. Close out/document elimination of illicit discharges in tracking database.	170 instances of illicit discharge reported by the general public and no instances found during dry weather monitoring were closed out documenting that the illicit discharge was eliminated.	х		
4. Review annually for update an enforcement action schedule that documents enforcement actions the City will take to eliminate illicit discharges into the City's MS4.	No changes to the enforcement action schedule were warranted this reporting period.	х		
5. Apply appropriate enforcement actions to eliminate each identified illicit discharge ¹⁰ .	 5 Notices of Violation were issued. \$1,000 in Administrative Fines were assessed. Agencies outside of City of Columbus departments were notified of illicit discharges on 26 occasions. 	х		

¹⁰ See Section 5.1.1 for summary of illicit discharge enforcement actions taken during reporting period.

BMP ID6 – Illicit Discharge Tracking and E	limination			
Status: Ongoing, as needed				
Measurable Goals	Summary of Activity During Reporting Period:	Measurable Goals Achieved?		
Wicasurable Goals		Yes	No	Other
Discussion:	1			

SWMP Component: Construction Program

BMP CP1 – Construction Sit	e Pollution Preve	ntion Regulation			
Status: Ongoing					
	ala	Summary of Activity During	Measurab	ole Goals A	chieved?
Measurable Goals		Reporting Period:	Yes	No	Other
Annually review, and revise as Stormwater Drainage Manual a Sediment Pollution Control Re	and Erosion and	The City's Stormwater Drainage Manual (SWDM) requires that all construction activity within the city complies with the requirements of Ohio EPA's current Construction General Permit or the Erosion and Sediment Pollution Control (ESPC) Regulations, whichever is more restrictive. The City continued to advance the process to update the SWDM and replace the ESPC Regulation.			X*
Planned Activity for Next Reporting Period:	The City will con Control Regulation	nplete the process of updating the SWDM and Erosons.	ion and Sed	liment Poll	ution
Discussion:		SPC regulation will be replaced with a new regulation	on that is co	nsistent wi	th the
		rmit for Construction Activities in the State of Ohio			
	comment and rev	iew period this regulation is poised for adoption in	2021.		

SWMP Component: Construction Program

Status: Ongoing						
Measurable Go	ola	Summary of Activity During M	Measurab	Measurable Goals Achieved		
Measurable Goals		Reporting Period:	Yes	No	Other	
The City will review and comment on all submitted construction site pollution prevention plans ¹¹ .		 247 new construction site pollution prevention plans were submitted to the City for review/approval. 247 new construction site pollution prevention plans were reviewed and approved. 	Х			
Planned Activity for Next	Meet or exceed m	neasurable goals.				
Reporting Period: Discussion:						

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¹¹ See Appendix J for a list of Construction Site Pollution Prevention Plans that were reviewed.

SWMP Component: Construction Program

BMP CP3 – Construction Site Inspection						
Status:						
Ongoing, annually	Summary of Activity During	Measurab	le Goals A	Achieved?		
Measurable Goals	Reporting Period:	Yes	No	Other		
Review annually for update, written procedures that describe how construction inspections are prioritized and performed.	Written construction inspection procedures are presented in the City's Stormwater Management Plan.	Х				
2. Train inspectors annually on established procedures for construction site inspection.	Three inspectors attended a workshop of construction BMPs and four inspectors attended training on small-scale BMPs. 12	Х				
3. Perform an inspection at each construction site at least once every four weeks on average. 13	 4,121 construction site inspections were performed. Responded to 56 various storm/SWPPP related reports from the general public. The average number of active construction site inspections per month was 343. 			X*		
4. Perform a follow-up inspection within 10 days from the date a Construction Inspection Report or formal Request for Voluntary Compliance is issued.	There were 124 construction sites in non-compliant status; 22 were resolved within the next 30 day inspection period.			X*		
5. Maintain 85% of construction sites in compliance with the City's Construction Site Pollution Prevention Regulations.	Over 85% of construction sites inspected were in compliance.	Х				
Planned Activity for Next Reporting Period: Meet or exceed measurable goals by continuing to improve and modify existing processes.						

<sup>See Appendix G for training summary of City personnel.
See Appendix K for construction site visit summary.</sup>

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BMP CP3 – Construction Site Inspection								
Status:					-			
Ongoing, annually								
Measurable Go	alc	Summary of Activity During	Measura	ble Goals A	Achieved?			
Weasurable Goals		Reporting Period:	Yes	No	Other			
Discussion:	* Reduced staffing availability due to Covid restrictions resulted in reduced inspection numbers. Through the summer months when the restriction in staffing was greatest the program focus on a smaller set of priority sites that included sites with larger disturbance area as well as sites with pocumpliance history.							

SWMP Component: Construction Program

SWMP Component: Construct BMP CP4 – Tracking and Ei	U				
Status: Ongoing	norcement				
Measurable Go	ale	Summary of Activity During	Measurab	le Goals A	Achieved?
Wiedsur able Go	ais	Reporting Period:	Yes	No	Other
. Update site tracking spreadsheet to include new and active construction sites and add inspection dates, recommended actions, priority, and compliance history for each inspection.		 246 construction sites were added to the City's construction site inventory this reporting period. The total number of new construction sites inventoried as of the end of this reporting period is 246. Added 4,121 inspection results into the City's tracking spreadsheet. 	Х		
2. Review annually for update an enforcement action schedule that documents enforcement actions the City will take to ensure construction site compliance with the City's Erosion and Sediment Pollution Control Regulations.		No changes to the enforcement action schedule were warranted this reporting period.	Х		
3. Apply appropriate enforcer achieve compliance with the and Sediment Pollution Co Regulation 14.	ne City's Erosion	 Thirteen Notices of Violation were issued. Administrative Fines totaling \$33,750 were issued. 	х		
Planned Activity for Next Reporting Period:		ement action schedule after new the regulations are sess for efficiency improvements.	e adopted an	d review t	he
Discussion:	Discussion: Reduced staffing availability as a result of Covid resulted may have resulted in less opportunity for enforcement. Overall compliance may be increasing due to increased enforcement activity the previous two years.				

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¹⁴ See Section 5.1.2 for summary of construction enforcement actions taken during the reporting period.

SWMP Component: Post-Construction Regulations

BMP PC1 – Post-Construction	on BMP Requirer	ments				
Status:						
Ongoing, annually, as needed Measurable Go	vola	Summary of Activity During	Measural	ble Goals A	chieved?	
Measurable Go	oais	Reporting Period:	Yes	No	Other	
1. Review the City's Stormwater Drainage Manual (SWDM) when necessary based upon comments and regulatory changes received throughout the year. Revise, if necessary, to reflect accepted standard practices in stormwater management and stormwater regulation.		The City's Stormwater Drainage Manual (SWDM) requires that all construction activity within the city complies with the requirements of Ohio EPA's current Construction General Permit. The City continued to advance the process to update the SWDM.			X*	
Planned Activity for Next Reporting Period: Discussion:	* Revisions to th from stakeholder significant chang review, and gene	e SWDM were expected to be completed in mid-20 s was more successful than anticipated. Incorporation to existing processes; and coordination of various rating stakeholder buy-in has been a major underta bublic comment in July 2020 and a final version of	id-2019 but efforts to solicit input porating all changes will result in various City departments, legal dertaking. Revisions to the SWDM			

SWMP Component: Stormwater Pollution Prevention Plan Reviews

BMP PC2 – Stormwater Post-Construction Plan Review and Approval Process								
Status:								
Complete, as needed								
Measurable Goals	Summary of Activity During	Measurab	le Goals A	Achieved?				
Wedsurable Goals	Reporting Period:	Yes	No	Other				
1. Review construction plans and Stormwater Management Reports for all new development or redevelopment projects to ensure implementation of post-construction stormwater BMPs as required by the SWDM.	1. 351 stormwater construction plans were approved, and of those 212 included post-construction BMPs. 15	х						
	measurable goals.							
Reporting Period: Discussion:								

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¹⁵ See Appendix L for a list of approved plans containing post-construction BMPs.

SWMP Component: Long Term Operation and Maintenance of BMPs

BMP PC3 – BMP Maintenance Requirements and Inspection						
Status: Ongoing						
Measurable Go	alc	Summary of Activity During	Measura	ble Goals A	Achieved?	
Wedsurable Go	ais	Reporting Period:	Yes	No	Other	
1. Contact and advise the BMP owner of maintenance and reporting responsibilities for each new BMP added to the City's BMP inventory.		The City issued 1 notice to BMP owners with information on the function of BMPs and the availability of training on maintenance requirements.		X*		
2. Inspect each post-construction water quality BMP in the City's BMP inventory at least once during each permit cycle.		 2,796 post-construction water quality BMPs have been constructed to date. Inspected 410 post-construction water quality BMPs for proper maintenance and operation during this reporting period 16. A total of 2,053 post-construction water quality BMPs have been inspected since the effective date of the current permit. 	X			
Planned Activity for Next Reporting Period:	improvements, ar	Continue work to meet established goals, evaluate the notification process, implement improvements, and document new procedures in the SWMP. BMP training notifications that were ot sent in 2020 due to staffing disruptions will be sent in 2021.				
Discussion:		vailable staff due to the pandemic and retirements ions to new BMP owners and safety restrictions imp				

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¹⁶ Sites where post-construction BMPs were inspected are listed in Appendix M.

SWMP Component: Long Term Operation and Maintenance of BMPs

BN	BMP PC4 – BMP Maintenance Tracking and Enforcement							
	Status: Ongoing							
	Measurable Goals	Summary of Activity During	Measurab	le Goals A	chieved?			
	Weastrable Goals	Reporting Period:	Yes	No	Other			
1.	Update post-construction BMP database monthly to include new BMPs that are planned and constructed as part of new and redevelopment projects.	 240 (planned and constructed) post construction water quality BMPs were added to the post-construction BMP database this reporting period. 3,519 post-construction water quality BMPs that are either planned or constructed have been inventoried as of the end of this reporting period. 	X					
2.	Enter results of post-construction BMP inspections into tracking database for each BMP inspected.	The post-construction BMP database was updated to include inspection reports for 410 post construction water quality BMPs inspected.	х					
3.	Review annually for update an enforcement action schedule that documents enforcement actions the City will take to ensure compliance with the City's post-construction BMP maintenance requirements.	No revisions to the schedule for enforcement of maintenance issues were necessary.	х					
4.	Apply appropriate enforcement actions to ensure post-construction BMP maintenance compliance.	 262 inspection reports were sent to BMP owners. Forty-seven pre-NOV notifications were issued. Four Notices of Violation were issued. A total of \$1,000 in Administrative Fines were issued. 	Х					

BMP PC4 – BMP Maintenance Tracking and Enforcement							
Status:							
Ongoing Measurable Go	als	Summary of Activity During Reporting Period:	Measurable Goals Achieved				
Wicasurable Go	ouis		Yes	No	Other		
Planned Activity for Next	Continue adjustm	ents to the enforcement process based on lesson	is learned.				
Reporting Period:	Reporting Period:						
Discussion:							

Required SWMP Component: List of Municipal Operations

BMP GH1 – Maintain Invent Generate Stormwater Polluti		Owned/Operated and Activities Conducted by	the City Havi	ing Poten	tial to
Status:					
Ongoing					
Measurable Go	alc	Summary of Activity During	Measurab	le Goals A	Achieved?
Wieasul able Goals		Reporting Period:	Yes	No	Other
Review and update the inventory and GIS coverage annually.		Total number of City O&M facilities is 86 ¹⁷ .	Х		
Compare inventoried facilities to applicability requirements of the Ohio EPA's Industrial Stormwater Permit upon each 5-year permit renewal period.		Seven facilities have been identified as requiring industrial permit coverage.	х		
Planned Activity for Next Reporting Period:	Meet or exceed	measurable goals.			
Discussion:					

¹⁷ See Appendix N for current list of City facilities that conduct activities having stormwater pollution potential.

Required SWMP Component: Pollution Prevention Procedures

BMP GH2 - Develop and Implement Pollution Prevention Practices for City Facilities/Activities

Status:

Complete engaine

Co	omplete, ongoing		1			
Measurable Goals		Summary of Activity During	Measurab	ole Goals A	chieved?	
	Treasurable Goals	Reporting Period:	Yes	No	Other	
1.	Submit Notices of Intent and prepare Stormwater Pollution Prevention Plans (SWPPPs) or submit No Exposure Applications to OEPA for Tier I city facilities 18 that require coverage under OEPA's Industrial Stormwater Permit Program.	Three new general permit confirmation letters were issued by Ohio EPA to city-operated facility during this reporting period ¹⁹ .	Х			
2.	Maintain and distribute written pollution prevention practices and materials online to representative of operating City departments.	The online repository of written pollution prevention practices and materials was reviewed and updates were made to align the standard SWPPP more closely with the new MSGP permit.	Х			
3.	Incorporate written pollution prevention practices into SWPPPs for Tier II city facilities ²⁰ .	SWPPPs have been prepared for 79 of the 79 Tier II facilities as of the end of this reporting period.	Х			
4.	Continue to implement pollution prevention practices at City-owned and operated O&M facilities that include maintenance of spill kits at City refueling facilities and covering of materials stored outdoors where warranted.	The City continued to implement pollution prevention practices at its O&M facilities. The inspections performed at 7 Tier I and 79 Tier II facilities indicated that practices are being performed.	Х			

¹⁸ Tier I facilities are defined as those facilities that require coverage under an Industrial Stormwater NPDES permit or No Exposure Certification.

¹⁹ See Appendix N for industrial permit numbers for regulated City facilities.

²⁰ Tier II facilities are defined as those facilities that do not require coverage under an Industrial Stormwater NPDES permit or No Exposure Certification but still have the potential to generate stormwater pollution.

BMP GH2 - Develop and Implement Pollution Prevention Practices for City Facilities/Activities							
Status:							
Complete, ongoing							
Measurable Go	alc	Summary of Activity During	Measurable Goals Achieve				
Wieasul able Go	ais	Reporting Period:	Yes	No	Other		
Planned Activity for Next			•				
Reporting Period:							
Discussion:	Renewed permits	for three of the City's Tier I facilities were rec	eived in Februa	ry 2020. F	ield visits		
	for re-evaluation of	re-evaluation of Tier II facilities were performed.					

Required SWMP Component: Pollution Prevention Procedures

BMP GH3 – Street Cleaning					
Status:					
Ongoing		Summary of Activity During	Measurab	le Goals A	Chieved?
Measurable Go	pals	Reporting Period:	Yes	No No	Other
1. Continue to incorporate his sweepers (PM-10 street swequipment) into the City's inventory.	eeping	Five new sweepers were purchased during this reporting period. ²¹ One of the five new sweepers was put into service during this reporting period.	х		
Sweep each curbed city street at least twice per year. Track and report total lane miles sweep annually.		 Each curbed street was swept at least once. 13,404 miles of streets were swept. 		X*	
3. Collect and dispose of all debris and litter collected from street sweeping and roadside litter pick up operations at a sanitary landfill. Track and report total tonnage of material collected and disposed each year.		6,727 tons of debris and litter were collected and disposed.	Х		
4. Continue to implement existing practices to reduce stormwater pollution from storage of materials collected during street sweeping operations and incorporate permanent structural controls when and where feasible.		The Transportation Division hauls debris to the transfer stations (Morse Road and Jackson Pike) or directly to the landfill. Debris that must be temporarily stored at each outpost is kept to a minimum and within a containment area prior to final disposal on a weekly basis.	Х		
Planned Activity for Next Reporting Period:	Meet or exceed m	neasurable goals.			
Discussion:	* Street sweeping operations in 2020 were disrupted by the pandemic. Various precautions resulted in a reduction in available staff. The total amount of debris collected from street sweeping was also reduced which may be due to the decreased usage of the roadway as the public responded to stay-at-home orders.				

²¹ See Appendix O for the list of the City's current street sweeper inventory.

Required SWMP Component: Pollution Prevention Procedures

BMP GH4 – Deicing and Snow Remov				
Status: Ongoing				
Measurable Goals	Summary of Activity During	Measurab	le Goals A	chieved?
Weastrable Goals	Reporting Period:	Yes	No	Other
1. Continue to store all de-icing materia stockpiles under roof or otherwise to prevent materials from entering storn runoff.	City stored deicing materials in six salt barns.	х		
2. Annually calibrate salt spreaders to n the minimum amount of material for safety.	S I	Х		
3. Provide training annually to city staff performing de-icing operations to ensure that the established BMP procedures followed and the minimum amount of icing materials is applied to ensure pusafety.	43 city employees were trained on proper salt application techniques at City's Snow Warriors training session.	Х		
· ·	ceed measurable goals.			
Reporting Period:				
Discussion:				

Required SWMP Component: Pollution Prevention Procedures

Component: Tonation Treve				
BMP GH5 – Refuse Collection				
Status: Ongoing				
Measurable Goals	Summary of Activity During	Measurab	ole Goals A	Achieved?
Measurable Goals	Reporting Period:	Yes	No	Other
Collect and dispose of refuse weekly and recycled materials biweekly from household within the city.	 343,131 tons of refuse was collected and disposed of through the City's curbside collection program. 37,267 tons of recycling was collected and disposed of from residents through the City's curbside collection program. 	х		
2. Coordinate at least one neighborhood refuse collection campaign per year.	 1. 189 neighborhood litter cleanups were conducted. 2. 363,910 pounds of refuse was collected and disposed. 	Х		
3. Collect yard waste from single-family residential households biweekly.	22,853 tons of yard waste from city residents was collected and composted.	Х		
Reporting Period:	measurable goals.			
Discussion:				

Required SWMP Component: Stormwater Facility Maintenance

Status: Ongoing				
Measurable Goals	Summary of Activity During	Measural	ole Goals A	chieved?
Measurable Goals	Reporting Period:	Yes	No	Other
1. Inspect 10,000 catch basins/inlets annually for cleaning.	 1. 14,730 catch basins/inlets were inspected 2. 2,437 catch basins/inlets were cleaned 	Х		
2. Televise 15,000 lineal feet storm sewer annually.	24,416 lineal feet of storm sewers were televised.	Х		
3. Clean 50,000 feet of storm sewer pipe per year.	36,445 feet of storm sewer pipe was cleaned.		X*	
4. Inspect all stormwater pump stations at least once quarterly.	 409 stormwater pump inspections were performed. Each pump station was inspected at least 27 times during the reporting period. Six storm water pump stations were cleaned this reporting period. 	Х		
5. Inspect, clean, mow, or otherwise maintain all DOSD stormwater detention/retention basins at least once annually.	52 stormwater detention basins are being maintained. Preventative maintenance routines for trash rack and/or sluice gate maintenance/inspection have been established. Mowing and vegetation control contracts also in place.	Х		
6. Inspect/clean all DOSD maintained trash racks at least twice annually.	 96 trash racks were maintained. 1,102 trash rack inspections were conducted. 671 trash rack cleanings were performed. 	Х		
7. Clean 30,000 lineal feet of drainage ditches annually.	23,987 feet of drainage ditches were cleaned.		X*	

BMP GH6 – Stormwater Inf	rastructure Insp	ection, Tracking, and Maintenance			
Status: Ongoing					
Measurable Go	als	Summary of Activity During	Measurab	le Goals A	Achieved?
Wicasurable Go	als.	Reporting Period:	Yes	No	Other
8. Maintain and update a data regular stormwater facility maintenance.		 Sewer Maintenance Operations (SMOC) used the Oracle Utilities Work and Asset Management application to track maintenance and inspection activities involving the collection system. The City tracked the completion of over 8,382 storm, sanitary, and combined collection system maintenance activities in the Oracle application. 	Х		
9. Follow written pollution prevention (P2) practices for stormwater system maintenance activities.		The written P2 practices for stormwater maintenance included in the SWPPP for the City's Sewer Maintenance Operations facility are followed when performing maintenance activities.	Х		
Planned Activity for Next	Meet or exceed 1	neasurable goals.			
Reporting Period: Discussion:		the 2020 global pandemic, critical work in responsites was prioritized and assigned over routine and prioritized and assigned			

Required SWMP Component: Training and Education

BMP GH7 - Employee Storm	water Pollution A	Awareness Training			
Status:					
Ongoing	•	Summary of Activity During	Measurab	le Goals A	Achieved?
Measurable Go	oals	Reporting Period ²² :	Yes	No	Other
All new City employees undergoing orientation will receive information on stormwater pollution awareness.		 242 new city employees were presented with information on stormwater pollution. 1257 city employees were trained on identification and reporting of illicit discharges. 	х		
3. All new city employees un orientation will be informe phone number to report illi	d of the need and	242 new city employees were presented with information on illicit discharge identification and reporting.	X		
4. City employees that conducity Tier I and Tier II sites elements of their respective pollution prevention plans	will be trained on e stormwater	 318 employees were trained at Tier I facilities. 1368 employees were trained at Tier II facilities. 			X*
5. Conduct updated training revery permit term for person for overseeing the implementations at City Tier I and	refresher once onnel responsible entation of P2	Training was provided to responsible persons when the City's written P2 practices were updated in 2013.	х		
Planned Activity for Next Reporting Period:		overall approach to stormwater training and imple	ement specifi	c elements	s upon
Discussion:	The City intended to revise its approach to stormwater training in 2020 but disruptions caused by response to the pandemic have shifted that work into 2021. * Most but not all employees at facilities were able to be trained in 2020 due to disruptions caused by response to the pandemic. Employee absences, adjusted schedules to reduce employee contacts, restrictions on the size of training classes, the lack of universal computer access for field staff, and increased demands on remaining personnel caused by those not available were all contributing factors.				

²² See Appendix G for summary of City training sessions conducted this reporting period.

Required SWMP Component: Inventory of Industrial Facilities

Maintain a list of industries that have the obtential for meeting the definition of 40 CFR 122.26(b)(14). Update the City's inventory annually based on: a. NOIs submitted as part of Stormwater Management Plans, b. New industries identified within the Daily Reporter publication, c. Industries identified through recent illicit discharge and detection investigations d. New industries identified under the Industrial Waste Pretreatment Group, and e. Review of lists of permitted/no Summary of Activity During Reporting Period: The City continued to maintain its database of industries. Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year.			
Maintain a list of industries that have the obtential for meeting the definition of 40 EFR 122.26(b)(14). Update the City's inventory annually based on: a. NOIs submitted as part of Stormwater Management Plans, b. New industries identified within the Daily Reporter publication, c. Industries identified through recent illicit discharge and detection investigations d. New industries identified under the Industrial Waste Pretreatment Group, and Summary of Activity During Reporting Period: The City continued to maintain its database of industries. Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year.			
Maintain a list of industries that have the obtential for meeting the definition of 40 EFR 122.26(b)(14). Update the City's inventory annually based on: a. NOIs submitted as part of Stormwater Management Plans, b. New industries identified within the Daily Reporter publication, c. Industries identified through recent illicit discharge and detection investigations d. New industries identified under the Industrial Waste Pretreatment Group, and The City continued to maintain its database of industries. Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year.	Measurab	ble Goals	Achieved?
industries. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year. Description of 40 Inventory updated this period. Current total number of industrial sites in the City's inventory is 640, a decrease of 28 from the previous year.	Yes	No	Other
a. NOIs submitted as part of Stormwater Management Plans, b. New industries identified within the Daily Reporter publication, c. Industries identified through recent illicit discharge and detection investigations d. New industries identified under the Industrial Waste Pretreatment Group, and	Х		
exposure qualifying industries maintained by Ohio EPA.	X		
anned Activity for Next Meet or exceed measurable goals.			
Reporting Period: Discussion:			

Required SWMP Component: Industrial Facility Inspection Schedule and Inspection Form

BMP IF2 - Acquisition, Review, and Tracking of Permit Information, Stormwater Pollution Prevention Plans, and **Industrial Monitoring Data**

Status:

Ongoing

Measurable Goals	Summary of Activity During	Measurable Goals Achieved?		
Medsurable Godis	Reporting Period:	Yes	No	Other
 Contact Ohio EPA and newly identified industries at least once each year to request: OEPA NPDES permit numbers or Notices of Intent forms, OEPA No Exposure Certification numbers, Stormwater Pollution Prevention Plans (SWPPPs), Stormwater monitoring data. 	 In response to contacts made by the city to date, the City has the following documents actively on file: 147 Notices of Intent and 130 OEPA NPDES permit numbers 451 No Exposure Certifications SWPPP plans were reviewed during this reporting period. No monitoring data for industries was received this reporting period. Procured copy of list of industrial permit holders from Ohio EPA; incorporated data into the industry list. 	X		
2. Update classifications of Category 1 and Category 2 industries annually. ²³	 258 Category 1 industries have been identified²⁴. 382 Category 2 industries have been identified²⁵. 	x		

²³ Industries that cannot show proof of NPDES permit coverage or No Exposure Certification by Ohio EPA or the industrial operator will be classified as Category 1 industries. Industries will be classified as Category 2 industries if Ohio EPA or the industrial operator can show proof of coverage under an industrial NPDES permit or no exposure certification by Ohio EPA and discharge to the City's MS4. Once a Category 1 industry obtains permit coverage, the industry will be reclassified as Category 2.

 ²⁴ See Appendix P for list of Category 1 Industries.
 ²⁵ See Appendix Q for list of Category 2 Industries.

BMP IF2 – Acquisition, Revi Industrial Monitoring Data	ew, and Tracking	of Permit Information, Stormwater Pollution 1	Prevention 1	Plans, and		
Status:						
Ongoing						
Measurable Go	alc	Summary of Activity During	Measurah	ole Goals A	Achieved?	
Measurable Goals		Reporting Period:	Yes	No	Other	
3. Maintain a hard copy file for SWPPPs and monitoring data received for each Category 2 industrial facility.		Hard copy files are available and located at the City's Division of Sewerage and Drainage, 1250 Fairwood Ave., Columbus, Ohio.	Х			
Planned Activity for Next Reporting Period:						
Discussion:	The lists of Category 1 and Category 2 facilities includes some that are believed to be closed and no longer in operation but additional review is required to verify before these facilities are removed from the inventory. As verification of closure is made the facility will no longer be included in the Category lists.					

Required SWMP Component: Industrial Facility Inspection Schedule and Form

BMP IF3 – Establish Industr	ial Facility Inspec	ction Schedule			
Status:					
Ongoing, annually		Summary of Activity During	Measurab	la Coals /	Chiovod?
Measurable Go	als	Reporting Period:	Yes	No No	Other
Evaluate and prioritize industri inspections annually.	es for	 81 Category 1 and 126 Category 2 industries have been prioritized based on a "High" rating of illicit discharge potential²⁶. 53 Category 1 and 70 Category 2 industries have been prioritized based on a "Medium" rating of illicit discharge potential. 124 Category 1 and 186 Category 2 industries have been prioritized based on a "Low" rating of illicit discharge potential. 0 Category 1 and 0 Category 2 industries could not be prioritized since SIC numbers are unknown. 	X		
Planned Activity for Next	Meet or exceed m	neasurable goals.			
Reporting Period:					
Discussion:					

²⁶ High, low, and medium illicit discharge potentials are assigned to each industry based on information provided in Appendix A of the <u>Illicit Discharge and Detection and Elimination</u>, A <u>Guidance Manual for Program Development and Technical Assessments</u>, developed in cooperation with the Center for Watershed Protection and Robert Pitt with the University of Alabama.

Required SWMP Component: Industrial Facility Inspection Schedule and Form

BMP IF4 –Industrial Facility	Inspection Form				
Status:					
Ongoing, annually					
Measurable Goa		Summary of Activity During	Measural	ole Goals A	Achieved?
Measurable Goals		Reporting Period:	Yes	No	Other
Review annually for update, the Stormwater Industrial Site Inspection form.		The Stormwater Industrial Site Inspection form was reviewed and no changes were made.	Х		
Planned Activity for Next	Meet or exceed m	neasurable goals.			
Reporting Period:					
Discussion:					

Required SWMP Component: Industrial Facility Inspections

BMP IF5 – Staff Training						
Status:						
Ongoing						
Measurable Go	alc	Summary of Activity During	Measurab	le Goals A	chieved?	
Weasurable Goals		Reporting Period:	Yes	No	Other	
Implement routine training programs for		The City's industrial stormwater inspectors				
employees that perform industrial site		participated in no training opportunities related			X*	
inspections.		to industrial activities this reporting period. ²⁷				
Planned Activity for Next	Evaluate and scho	edule professional certification training for inspecti	on staff.			
Reporting Period:						
Discussion:	* Rehiring of vac	* Rehiring of vacant positions was put on hold in 2020 due to the impacts of the pandemic. Training				
	opportunities for	opportunities for the remaining staff member were further reduced due to travel and other				
	restrictions.					

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²⁷ See Appendix G for details of City training sessions conducted this reporting period.

INDUSTRIAL AND RELATED FACILITIES

Required SWMP Component: Industrial Facility Inspections

BMP IF6 – Industrial Facilit	y Inspections							
Status:								
Ongoing		Summary of Activity During	Measurab	le Goals A	Achieved?			
Measurable Goals		Reporting Period:	Yes	No No	Other			
Review annually for update procedures that describe he inspections are performed.		The written industrial inspection procedures contained in the City's Stormwater Management Plan were reviewed and found to be up-to-date.	х					
2. Review the SWPPPs of each industry inspected.	ch permitted	The SWPPPs for 5 permitted industries were reviewed as part of an inspection. ²⁸	Х					
3. Inspect each Category 1 and Category 2 industry at least once within the City's MS4 5-year permit cycle.		 55 inspections were conducted at Category 1 industrial facilities²⁹. 59 inspections were conducted at Category 2 industrial facilities³⁰. 11 facilities were inspected and did not meet criteria requiring a permit. 	X*					
Planned Activity for Next	Meet or exceed n	neasurable goals.						
Reporting Period: Discussion:	The City intends	to inspect each Category 1 and Category 2 industr	v during the	current 5-v	vear cycle			
Discussion	The City intends to inspect each Category 1 and Category 2 industry during the current 5-year cycle which ends April 30, 2022.							

Not all industries are required to obtain permit coverage.
 See Appendix P for Category 1 industrial inspection dates.
 See Appendix Q for Category 2 industrial inspection dates.

INDUSTRIAL AND RELATED FACILITIES

Required SWMP Component: Industrial Facility Inspections

BMP IF7 – Industrial Facility	Inspection Trac	king and Enforcement								
Status: Ongoing										
Measurable Goal	la	Summary of Activity During	Measurab	le Goals A	chieved?					
Wieasurable Goal	15	Reporting Period:	Yes	No	Other					
1. Enter results of industrial installing the tracking database for each inspected.	-	Inspection information for 120 industrial inspections were added to the City's tracking database.	Х							
2. Apply appropriate enforcement eliminate potential pollution identified at industrial sites.		1. Zero instances of suspected illicit discharge to the MS4 were observed during industrial inspections. ³¹	Х							
4. Document and forward to Ohio EPA observed violations of Ohio EPA's industrial stormwater permit.		 4 inspection reports were issued to industry operators during this reporting period. 34 reports of suspected violation of an operator's permit were submitted to the Ohio EPA. 	Х							
Planned Activity for Next Reporting Period:	Meet or exceed m	neasurable goals.								
Discussion:										

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³¹ See Appendix I for summary of illicit discharge reports and investigations.

INDUSTRIAL AND RELATED FACILITIES

Required SWMP Component: Monitoring Industrial Sites

BMP IF8 – Monitoring and Sampling of				
Status:				
Ongoing			. ~ .	
Measurable Goals	Summary of Activity During	Measurab	le Goals A	Achieved?
	Reporting Period:	Yes	No	Other
1. Review annually for update, written procedures that identify constituents of concern and when industrial facilities at required to monitor stormwater discharge	\mathcal{S}	х		
2. Respond, when notified, to each instant an industrial release per established procedures.	The City responded to 2 notifications of a suspected industrial release. In neither case did a discharge reach the storm sewer.	Х		
3. Review and file stormwater monitoring sampling reports submitted by industria operators.		Х		
Planned Activity for Next Meet or exc	eed measurable goals.			
Reporting Period:	-			
Discussion:				

SECTION 3 – SUMMARY AND ANALYSIS OF COLLECTED INFORMATION

3.1 History of City-Wide Wet Weather Monitoring Program

From 2007 to 2012 five sampling locations throughout the City representing medium density residential, high density residential, multi-family residential, commercial, and industrial land uses were monitored under permit No. 4PI00000*BD. From 2013 through the first quarter of 2017, the City of Columbus collected samples at three outfalls that are located downstream of land uses representing residential, commercial and industrial development. On November 2, 2015, the City of Columbus received approval for an alternative wet weather monitoring program that will focus on newly constructed green infrastructure facilities under the City's Project Blueprint in the residential neighborhood of Clintonville. Analysis is being performed at both the BMP and sewershed levels. Three sewersheds will be retrofitted with Green Infrastructure (GI)—Cooke-Glenmont, Blenheim, and Indian Springs—and a single adjacent sewershed—Beechwold—receiving drainage from areas outside the Clintonville project will be monitored as a control. Analysis of the GI facilities and tributary outfalls targeted by this initiative will provide a better understanding of how GI practices perform under an urban retrofit scenario. A full report on the City's wet weather monitoring activities and findings during this reporting period can be found in city-wide monitoring report located in Appendix R.

3.2 Summary of City-Wide Wet Weather Monitoring Activities

The City was able to collect samples at each of the outfalls during 2020. The samples were analyzed for the following parameters:

- Fecal coliform (#/100 ml)
- E. coli (#/100 ml)
- Nitrite (NO2) (mg/l)
- Total Phosphorous (mg/l)
- Orthophosphate (mg/l)
- Carbonaceous biochemical oxygen demand (CBOD5) (mg/l)
- Biochemical oxygen demand (BOD5) (mg/l)
- Chemical oxygen demand (COD) (mg/l)
- Total suspended solids (TSS) (mg/l)
- Ammonia (NH3) (mg/l)
- Alkalinity (mg/l)
- Oil & grease (mg/l)
- Total cyanide (µg/l)
- Hardness (mg/l)
- Total recoverable cadmium (Cd) (µg/l)
- Total recoverable chromium (Cr) (µg/l)
- Total recoverable copper (Cu) (μg/l)
- Total recoverable lead (Pb) (µg/l)
- Total recoverable nickel (Ni) (µg/l)
- Total recoverable zinc (Zn) (μg/l)

3.2.1 Findings Summary

Clear reductions for almost all water quality parameters were observed. These results demonstrate the pollutant removal effectiveness of the GI installed in these sewersheds compared to the control. Comparing watersheds for pre- and post-GI installation:

- Total organic nitrogen was reduced by 69 and 66 percent for Blenheim and Cooke-Glenmont, respectively.
- Phosphorus was reduced 36 and 28 percent for Blenheim and Indian Springs, respectively.
- TSS concentration was reduced by 62 and 68 percent for Cooke-Glenmont and Indian Springs, respectively.
- Heavy metals were reduced between 4 and 70 percent across the Blehnim, Cooke-Glenmont, and Indian Springs sewersheds.

3.3 Illicit Discharge Detection and Elimination/Dry Weather Monitoring

As part of its Illicit Discharge Detection and Elimination (IDDE) program, the City conducted dry weather monitoring at stormwater outfalls during the January 1, 2020, to December 31, 2020, reporting period to identify the presence of illicit discharges in the City's storm sewer system. The City also investigated reports of illicit discharges into the City's storm sewer system received from the community. A full description of the activities conducted under the IDDE programs during the reporting period is provided in Section 2. The results of the dry weather outfall monitoring program are located in Appendix H, whereas a summary of illicit discharges confirmed as a result of dry weather outfall monitoring during the January 1, 2020, to December 31, 2020, reporting period are provided below.

• There were no illicit discharges detected from dry weather monitoring in 2020.

SECTION 4 - REVISIONS TO ASSESSMENT OF CONTROLS AND FISCAL ANALYSIS

There are no revisions necessary to the assessment of controls as implemented under the present permit.

Funds generated by the City of Columbus Stormwater Utility are used to cover all costs for Compliance with the NPDES permit and the City's stormwater Capital Improvements Program. The utility fee is collected from residential and non-residential customers. In 2020, a residential customer was charged one Equivalent Residential Unit (1 ERU = 2000 sq. ft.) equal to \$0.1591 (effective 01/01/2020) per day for an average annual cost (365 days x \$0.1591) of \$58.07. Non-residential customers pay the same ERU rate based on their total impervious area. The following table contains expenditures for the NPDES program during the reporting period.

Category	Cost
Personnel	\$2,355,304.21
Materials & Supplies	\$58,850.36
Services	\$12,860,424.06
Street Cleaning	\$8,607,720.98
Pro Rata Charges	\$1,924,754.86
Debt Principal	\$10,009,700.00
Other Expenditures	0.00
Capital Outlay	\$60,298.37
Interest on Debt	\$4,349,702.58
Total Costs:	\$40,226,755.42

SECTION 5 – SUMMARY OF ENFORCEMENT, INSPECTIONS, PUBLIC EDUCATION, AND EMPLOYEE TRAINING

In addition to many other requests for service, SRMS and SMOC personnel made 170 investigations of reported or suspected illicit discharges and spills to the MS4 during this reporting period. SRMS also conducted a total of 4,121 construction site inspections, 125 inspections of industries and potential industries, and 262 site inspections for post-construction BMP maintenance during this reporting period.

5.1 Summary of Enforcement Actions

Enforcement action was taken by the City if a violation is observed and a responsible party is identified. Typically the responsible party is notified, the violation is stated and a request is made that immediate steps be taken to cease, prevent, control, and clean up pollutant sources that are, or may, be discharged into stormwater runoff. The SRMS issued 22 Notices of Violation (NOV) during the last reporting period. When a Notice of Violation is sent to the responsible party, an explanation of discharge and a Remedial Action Plan to prevent future occurrences is required. Requests for Voluntary Compliance are issued either verbally or written when a discharge or potential discharge is considered minor in nature and is immediately ceased.

5.1.1 Notices of Violation, Illicit Discharge

Summaries of the City's five Notices of Violation for illicit discharges during the January 1, 2020, to December 31, 2020, reporting period are provided below. Discharges from industrial facilities subject to 40 CFR 122.26(b)(14) are noted.

- 01/03/2020 Notice of Violation issued to All Crane Rental Corp. at 683 Oakland Park Ave. for pumping sediment-laden water into City's MS4.
- 05/28/2020 Notice of Violation issued to Armor Paving and Sealing at 6900 Americana Parkway for discharging wastewater from cleaning of asphalt equipment into the storm sewer.
- 05/28/2020 Notice of Violation issued to Environlink of Ohio for allowing process wastewater to enter into the storm sewer.
- Notice of Violation issued to M P Dory Co. for allowing discharge of wastewater from concrete sawing activity to enter City's MS4.
- 12/24/2020 Notice of Violation issued to Scioto Ready-Mix at 1500 Williams Rd. for allowing process wastewater to enter into the City's MS4.

5.1.2 Notices of Violation, Erosion and Sediment Pollution Control

Thirteen Notices of Violation were issued to property owners and/or contractors for non-compliance with the City of Columbus construction site pollution prevention requirements during the January 1, 2020, to December 31, 2020, reporting period. Summaries of these actions are provided below:

NOV and Administrative Fine (\$5,000) issued to Romanelli & Hughes Home Building Company for failure to install and maintain stormwater pollution control

practices at the construction site for The Cove under Plan E-3580. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to install diversion swales, failure to install and maintain effective inlet sediment controls, failure to stabilize idle soil, and failure to complete installation of a sediment basin with skimmer.

NOV and Administrative Fine (\$250) issued to Romanelli & Hughes Home Building Company for failure to submit a Remedial Action Plan (RAP) in response to the NOV and Administrative Fine issued on May 21,, 2020 regarding various non-compliance issues as required by the SWP3. Since the RAP was not received by the May31, 2020 deadline, the above mentioned \$250 Administrative Fine was

issued.

- NOV and Administrative Fine (\$5,000) issued to Riverside Trail Apartments LLC for failure to install and maintain stormwater pollution control practices at the construction site for the Riverside Trail Apartments under Plan CC-18266. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to maintain a functional Concrete washout area, failure to install and maintain effective inlet sediment controls, failure to stabilize idle soil, and failure to complete the installation of all sediment basins with skimmers.
- 09/17/2020 NOV and Administrative Fine (\$5,000) issued to Founders Park Apartments LLC for failure to install and maintain stormwater pollution control practices at the construction site for the Founders Park Apartments under Plan CC-18332. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to maintain a functional Concrete washout area, failure to install and maintain effective inlet sediment controls, failure to stabilize idle soil, and failure to clean the streets.
- 09/17/2020 NOV and Administrative Fine (\$3,000) issued to CN Express LLC for failure to install and maintain stormwater pollution control practices at the construction site for the CN Express under Plan CC-18149. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to stabilize idle soil, and failure to complete the construction of the sediment basin.
- 09/17/2020 NOV issued to Chemcote Inc for an illicit discharge caused by the direct discharge of sediment laden water without proper inlet filtration controls. On September 17, 2020 Chemcote submitted a RAP in response to the NOV.
- 10/15/2020 NOV and Administrative Fine (\$4,000) issued to Firewater Limited for failure to install and maintain stormwater pollution control practices at the construction site for the Little Turtle Golf Club and Fitness Facility under Plan CC-18078. The erosion and sediment controls, as required by the approved SWP3, were lacking

over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to install and maintain effective inlet sediment controls, failure to stabilize idle soil, and failure to clean the streets. On October 27, 2020, Firewater Limited submitted a RAP in response.

- 10/15/2020 NOV issued to National Concrete Cutting and Coring LLC for an illicit discharge caused by the direct discharge of slurry from saw-cutting activities into the MS4.On October 23, 2020, National Concrete Cutting and Coring LLC submitted a RAP in response.
- 10/262/2020 NOCV and Administrative Fine (\$1,000) issued to Boss Excavating Inc. for an illicit discharge caused by discharging sediment laden (muddy) water without proper functioning sediment filtration controls near the Scioto-Big Run Ditch, a tributary of the Scioto River. Discharging sediment laden water with improperly functioning sediment controls is in violation of the approved plan CC-18683. On December 9th, 2020, Boss Excavating Inc. submitted a RAP in response to the NOV.
- 11/198/2020 NOV issued to Oxford Circle Development LLC for an illicit discharge caused by discharging sediment laden (muddy) water into a nearby unnamed tributary of the Big Walnut Creek. Discharging sediment laden water with improperly functioning sediment controls is in violation of the approved plan CC-18430. On December 3rd, 2020, Oxford Circle Development LLC submitted a RAP in response to the NOV.
- 11/30/2020 NOV and Administrative Fine (\$2,000) issued to Oxford Circle Development LLC for failure to install and maintain stormwater pollution control practices at the construction site for The Magnolia Trace Apartments under plan CC-18430. Multiple deficiencies remained unaddressed and in continued Non-Compliance status. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to install a functional concrete washout area, failure to install and maintain effective inlet sediment controls, and failure to stabilize idle soil.
- 12/0911/20 NOV and Administrative Fine (\$3,000) issued to Fifth on Fifth LLC for failure to install and maintain stormwater pollution control practices at the construction site for 5th and Forsythe under Plan CC-18436. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. The violations included failure to install and maintain effective perimeter erosion and sediment controls, failure to clean the streets, and failure to install and maintain stabilized construction entrances.
- 12/11/2020 NOV and Administrative Fine (\$5,500) issued to Enviro-Recycling Recycling Group for failure to install and maintain stormwater pollution control practices at the construction site for plan CC-18416 and the properties adjacent to 1155 Bonham Avenue. The erosion and sediment controls, as required by the approved SWP3, were lacking over the total site. There was also a failure in regard to the properties adjacent to the Bonham site, for lack of a prepared SWP3 as part of a

larger common plan of development. The disturbance of land contiguous to the Bonham site also exhibited a failure to install and maintain effective erosion and sediment controls. Deficiencies on the main 1155 Bonham site included violations such as, failure to install and maintain effective perimeter erosion and sediment controls, failure to install and maintain effective inlet sediment controls, failure to maintain an effective vehicle wheel wash, and failure to install and maintain stabilized construction entrances.

5.1.3 Notices of Violation, Post-Construction BMP Maintenance

Four notices of violation were issued to property owners for non-compliance with the post construction BMP maintenance requirements during the January 1, 2020, to December 31, 2020, reporting period.

- 09/22/2020 NOV and Administrative Fine (\$250) issued to Huntington National Bank for failure to maintain BMPs.
- 09/22/2020 NOV and Administrative Fine (\$250) issued to United Dairy Farmers for failure to maintain BMPs.
- 10/09/2020 NOV and Administrative Fine (\$250) issued to dba Lavash Cafe for failure to maintain BMPs.
- 10/09/2020 NOV and Administrative Fine (\$250) issued to Majestic Drywall for failure to maintain BMPs.

5.2 Summary of Public Education and Employee Training Programs

The City of Columbus recognizes that public education and participation and employee education programs that provide information, resources and engagement opportunities to residents, business owners, and city employees can result in improved water quality. The following summarizes stormwater public and employee education opportunities that were provided in 2020.

5.2.1 Public Education and Outreach Summary

The City's stormwater public education and outreach programs are focused on the following topics:

- 1. Residential: pet waste; yard maintenance; and methods of keeping stormwater onsite.
- 2. Industrial/commercial: water quality impacts associated with land development; the importance of good housekeeping; and fats, oil, and grease.

In 2020, the PUP campaign was not able to attend the festivals and community events that have traditionally been our best engagement tool for this audience. However, we still obtained nearly 300 pledges this year, through word of mouth and electronic promotions. PUP Kiosks continue to be maintained at 86 City parks and in the park land around our three reservoirs.

Get Grassy!, the City's yard maintenance program, continued implementation in 2020 and received 189 new pledges, a 28.5% increase from the previous year. Nine lawn care companies and nurseries helped distribute 11,100 educational handouts that encourages residents to take the next step in managing lawns in a way that will protect water quality.

In addition to ongoing Blueprint education and engagement activities, Blueprint has collaborated with local education programs to help our future generation understand the importance of onsite stormwater management in residential areas. Two key highlights from 2019 included:

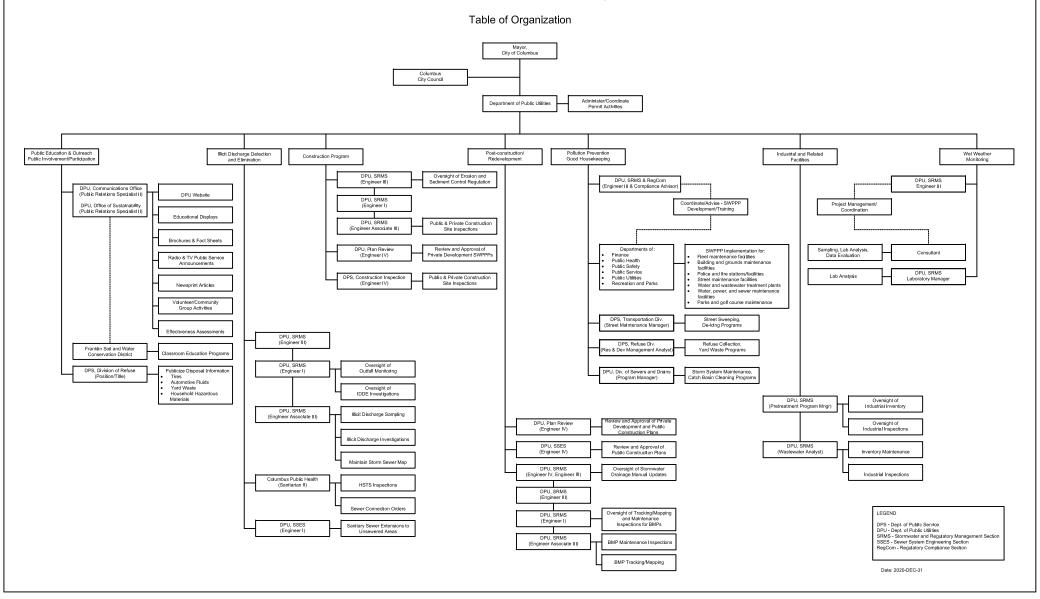
The Home Contractor Outreach program, which promotes good housekeeping practices for disposal of paint and concrete materials, continued to promote educational messaging to the contractor community. The program attended the Columbus Home Improvement Show on January 3, 2020, and distributed 30 brochures to contractors. Additionally, education was mailed directly to 2,174 contractors, and home contractor messaging was promoted through a 4-week advertisement on bus stop kiosks around Columbus. These educational materials have also been translated into Spanish, and videos are being developed (for release in 2021) to ensure the message is widely available and received.

Overall outreach of stormwater messages continued on DPU social media, through promoting responsible stewardship, sharing of neighborhood cleanup events, and promotion of the storm drain marker program.

5.2.2 Employee Education Summary

The City continues to increase stormwater pollution awareness amongst its employees by providing information on stormwater pollution prevention at new employee orientations and during training conducted to familiarize staff with Stormwater Pollution Prevention Plan contents. Under its EMS, the Department of Public Utilities (DPU) has developed on-line training modules that cover BMPs for various DPU activities such as vehicle washing. The City will continue to provide training on stormwater pollution practices to personnel that work at operations and maintenance facilities. See Appendix G for a summary of employee training activities.

City of Columbus NPDES Stormwater Program



Public Education and Outreach 2020 Activity Summary

Categories	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Storm drain markers requested (seasonal, usually distributed in increments of 15)	-	-	-	-	-	-	-	-	-	-	-	-	
River Ranger guides requested	_										_		
Bill inserts	-	-	-	(Home water quality tips, Storm Drain Marking, started 4/18)	(Home water quality tips, Storm Drain Marking)	(Home water quality tips, Storm Drain Marking)	water quality tips, Storm Drain to 7/18; then Green-Spot, CSO/SSO FAQ) and Spot, CSO/SSO FAQ		-	-	471,578* (* total hard copies mailed, not counting online billing portal		
Total				82,079	70,949	74,082	66,693	73,135	73,984	17,288			access
News releases	2 FB posts	5 FB posts	10 FB posts	23 FB posts	15 FB posts	9 FB post	9 FB posts	6 FB posts	16 FB posts	22 FB posts	8 FB posts	8 FB posts	133 FB posts
Waterway cleanups (seasonal)	-	-	-	-	-	-	-	-	1	1	-	-	2
Public service announcements	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	GTC-3	12 months
Information available on Web?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	12 months
Special events/other				Earth Day reminders		River Pride (virtual) reminder notificatio ns			Watershed virtual cleanup reminders	Watershed virtual cleanup: estimated 90 tons of trash collected by volunteers	Holiday meals "FOG" reminde r		5

	1 5	Boost Post				
12/31/2020 12:29 PM	We are getting reports of low water pressure		1K	107 24		Boost Post
12/30/2020 12:41 PM	Having trouble paying your bill, want to set		721	5 10		Boost Post
12/30/2020 11:03 AM			170	1 0		Boost Post
12/30/2020 10:59 AM			283	3 6		Boost Post
12/24/2020 9:47 AM	Our Call Center will be closed on Friday,		216	0 2		Boost Post
12/22/2020 11:10 AM			140	1		Boost Post
12/22/2020 9:03 AM			164	0		Boost Post
12/21/2020 2:49 PM	NAME OF THE PARTY		166	0		Boost Post
12/18/2020 4:33 PM	=		159	0		Boost Post
12/18/2020 3:29 PM	Water line and hydrant breaks can happen		255	6 4		Boost Post
12/17/2020 3:01 PM	<u></u>		173	2 5		Boost Post
12/17/2020 10:01 AM	Need to reach a Customer Service		147	0		Boost Post
12/16/2020 3:48 PM			198	0 6		Boost Post
12/16/2020 10:20 AM	These beautiful creatures are		207	2 7		Boost Post
12/15/2020 3:31 PM	If paying your Columbus utility bill		271	1		Boost Post
12/15/2020 3:16 PM	BELLEV OCCURRA		150	0 2		Boost Post
12/14/2020 1:40 PM	The first official day of winter is next week.		170	1		Boost Post
12/14/2020 10:07 AM	If interested, please do not delay in		199	3		Boost Post
12/11/2020 3:03 PM			110	3 2		Boost Post
12/11/2020 11:42 AM	W 6		105	0		Boost Post
12/11/2020 9:53 AM	Apply online below for CARES Act utility bill		119	2 0		Boost Post
12/10/2020 4:22 PM	It was a beautiful sunrise over a misty,		453	5 24		Boost Post
12/10/2020 2:52 PM	This holiday season, consider giving a Visa		210	0 5		Boost Post

3/10/2021		(2) Colum	2) Columbus Public Utilities Facebook						
(12/08/2020) (4:41 PM)	=		141		0 1		Boost Post		
12/08/2020 3:14 PM	ANTONIA ANTONIA MAIS,		242		0 2		Boost Post		
12/08/2020 2:16 PM	If you or loved ones are struggling to pay		972		25 32		Boost Post		
12/03/2020 3:13 PM	We know that times are tough for many		850		27 20		Boost Post		
(12/02/2020 (1:35 PM)	Happy birthday, EPA! #EPAat50		182		1 3		Boost Post		
(3:46 PM)	Columbus Public Utilities		131		1		Boost Post		
(12/01/2020) (11:06 AM)	The Public Utilities portion of the budget hearings is today		141		3		Boost Post		
11/30/2020 10:45 AM	We know that times are tough for many		89		0		Boost Post		
(11/30/2020 (8:59 AM)	SOUTHWARE COLUMN 1		169		1 0		Boost Post		
11/25/2020 12:19 PM	If behind on your utility bill, please check to		184		4 3		Boost Post		
11/24/2020 3:33 PM	Are you a Columbus resident who is behind		185		1		Boost Post		
(11/24/2020) (1:13 PM)	And remember, no turkey grease down		214		1 5		Boost Post		
11/24/2020 8:46 AM	Utility assistance available for		161		5 5		Boost Post		
11/23/2020 4:03 PM	Overdue for your water, sewer bills?		170		4 0		Boost Post		
11/23/2020 3:19 PM	CARES We are announcing new, direct CARES		446		15 8		Boost Post		
(11/23/2020) (9:23 AM)	Big cooking week with Thanksgiving. Please		24K		1.2K 684		Boost Post		
(11/20/2020) (2:32 PM)	If you see water ponding in front of		296		0 2		Boost Post		
(11/18/2020) (4:44 PM)	F		177		3		Boost Post		
11/18/2020 3:58 PM	Columbus Public Utilities updated their		180		2		Boost Post		
11/18/2020 9:11 AM	Columbus Public Utilities		92		2 0		Boost Post		
11/18/2020 9:07 AM			213		8		Boost Post		
11/17/2020 9:45 AM	It's Utilities Against Scams Week. Our		163		0		Boost Post		
11/17/2020 9:32 AM	Did you know that you can apply for a payment plan to		146		2		Boost Post		
11/16/2020 11:47 AM	Columbus Public Utilities updated their		122		5 0		Boost Post		
hatter a Marian Co. A	COLUMN	Constructor (O)			0				

(2) Columbus Public Utilities | Facebook

3/10/2021		(2)	Columb	us Public Util	ities F	acebook	
11/16/2020 11:44 AM	Columbus Public		10		0		Boost Post
11/10/2020 10:22 AM	Columbus Public Utilities	<u>,</u>	109		1		Boost Post
11/09/2020 10:19 AM	Columbus Public Utilities		157		0		Boost Post
11/05/2020 8:46 AM	If you have not been able to pay your utility		259		2 3		Boost Post
11/04/2020 12:21 PM	Isn't this appropriate this year? Some de-		165		0 1		Boost Post
11/02/2020 1:28 PM	ROCCASION		159		5 1		Boost Post
10/30/2020 3:12 PM	Freeze warning tonight - did you		309		1 7		Boost Post
10/29/2020 2:11 PM	CARES Did you know that 10 local agencies have		142		4 0		Boost Post
10/29/2020 1:37 PM	Rainy week. If you have the misfortune of		413		41 23		Boost Post
10/29/2020 11:12 AM	It's Learn More About Your Drinking Water		128		0		Boost Post
10/29/2020 8:52 AM	'Peaceful' flowers turn once-troubled site into		190		7 84		Boost Post
10/28/2020 4:25 PM	Is your customer contact info up to date		161		0		Boost Post
10/28/2020 12:43 PM			103		1 0		Boost Post
10/27/2020 9:50 AM	Trees help with water quality by slowing		128		0		Boost Post
10/26/2020 2:53 PM	COLUMBUS BOOKERS		156		1 3		Boost Post
10/26/2020 2:50 PM	And remember our employees never		105		1		Boost Post
10/26/2020 9:56 AM	It's National Lead Poisoning Prevention		146		4 0		Boost Post
10/23/2020 1:02 PM	4 and of it of easiers when the state of the		163		2 2		Boost Post
10/23/2020 12:01 PM	=		84		2 2		Boost Post
10/23/2020 11:53 AM	If interested in doing a future self-guided		177		0		Boost Post
10/22/2020 1:41 PM	Did you know that native plants help		132		1		Boost Post
10/22/2020 9:44 AM	Columbus has some history with curbing		148		0 2		Boost Post
10/21/2020 1:50 PM	While water turnoffs due to non-payment		165		1		Boost Post
10/21/2020 1:08 PM			116		0		Boost Post
10/21/2020	#StormwaterAwarene	poighto/2oc-ti	·Dosts		1	1	

3/10/2021		(2) Columbus Publi	c Utilities Facebook	
12:57 PM	ssWeek		3	Boost Post
(10/21/2020) (9:33 AM)	Today let's all be thankful for the	132	0	Boost Post
(10/20/2020) (3:27 PM)	#StormwaterAwarene ssWeek Learn more	181	2 4	Boost Post
(10/20/2020) (9:44 AM)	19 #ValueWater planting to gain and on eight many formation	138	0	Boost Post
(10/20/2020 (9:05 AM)	=	209	9 10	Boost Post
(10/19/2020 (4:33 PM)	=	108	0 1	Boost Post
10/19/2020 (12:51 PM)	Is it a coincidence that Imagine A Day	165	0 1	Boost Post
(10/19/2020) (10:15 AM)	Disposing of expired or unneeded	158	2 4	Boost Post
(10/19/2020 (9:46 AM)	It's Imagine a Day with the training the training the training the training the training training the training	141	0	Boost Post
10/16/2020 (4:42 PM)	⊎ U 📮	134	1	Boost Post
(10/15/2020 (9:44 AM)	<u>=</u>	218	9	Boost Post
(10/14/2020) (9:14 AM)		168	1	Boost Post
10/13/2020 11:51 AM	Have you registered for our Customer	156	0	Boost Post
10/12/2020 12:00 PM	Did you know that the City of Columbus	210	1 3	Boost Post
(10/09/2020) (12:15 PM)	And what lands on the ground often gets	233	4 4	Boost Post
10/08/2020 9:33 AM	Did you know that Columbus offers city	176	2 2	Boost Post
10/07/2020 3:49 PM	Behind on your utility bill? Did you know that	431	1 5	Boost Post
10/06/2020 (12:13 PM)	Sustainable Steps Virtual Celebration	122	0	Boost Event
10/05/2020 10:52 AM	A reminder to please secure your valuables	181	4 0	Boost Post
(10/02/2020) (1:36 PM)	This is the last weekend to participate	386	3	Boost Post
09/30/2020 10:40 AM	Special Request a payment Payment plan if behind on your	237	1	Boost Post
09/29/2020 9:05 AM	(Shine)	145	0	Boost Post
09/28/2020 (2:25 PM)	There is still time to sign up for the Race	120	0	Boost Post
09/28/2020 9:26 AM	We recognize a body of water in these (3)	127	7	Boost Post
09/25/2020 3:20 PM	Please report utility	616	8 18	Boost Post

3/10/2021		(2) Co	olumbus Public l	Jtilities F	Facebook	
09/25/2020 2:54 PM	Need community service hours?	49	93	6 17		Boost Post
09/25/2020 10:40 AM		1	74	0 2		Boost Post
09/24/2020 12:21 PM	If unable to pay your utility bill, check out	1	76	0		Boost Post
09/24/2020 11:50 AM	(If you missed the last household hazardous	11	80	9		Boost Post
09/22/2020 12:19 PM	GreenSpot Sustainable Business	14	47	0		Boost Post
09/22/2020 9:08 AM	Seasonal hydrant flushing continues in	29	84	15 4		Boost Post
09/21/2020 4:45 PM	(Illegal Dumping)	10	69	11 1		Boost Post
09/18/2020 3:25 PM	Need community service hours?	61	09	13 21		Boost Post
09/17/2020 1:56 PM		14	45	0		Boost Post
09/16/2020 10:29 AM	All bills eventually come due. If you need	1:	96	0		Boost Post
09/11/2020 12:50 PM		10	61	1 0		Boost Post
09/10/2020 (10:52 AM)	Reservoir litter cleanups are still on	34	44	2 8		Boost Post
09/10/2020 9:05 AM	Have you registered for the annual Race	1	77	0		Boost Post
09/09/2020 10:01 AM	Behind on your utility bill? Apply for CARES	22	23	0		Boost Post
09/09/2020 9:26 AM		1	74	1 0		Boost Post
09/08/2020 11:11 AM	Proper HHW disposal helps keep	28	88	8 9		Boost Post
09/08/2020 11:10 AM	=	99	9	2		Boost Post
09/08/2020 11:08 AM	Great tips for National Preparedness Month!	18	88	4 0		Boost Post
09/03/2020 11:10 AM	Honeywell Home Wi- Fi 7 Day	14	45	3		Boost Post
09/03/2020 11:04 AM	Hoover Reservoir dam CIP update: Access	2	13	5 1		Boost Post
09/03/2020 9:18 AM	Registration is now open for the annual	11	83	0		Boost Post
09/02/2020 4:11 PM	Firefighters will be flushing & draining	84	40	67 22		Boost Post
09/01/2020 3:18 PM	COLUMN CONTROL	1:	39	2		Boost Post
09/01/2020 3:17 PM	=	1	59	3		Boost Post

3/	10/2021		(2)	Coluiti	ous Public Oil	11103 1	accook	
	09/01/2020 10:04 AM	If you are behind on your utility bill, please		239		1		Boost Post
	08/31/2020 11:43 AM	Creating natural buffers along water		222		1		Boost Post
	08/27/2020 8:54 AM	Special Paymenr Plan Utility bill? Check out		471		14 4		Boost Post
	08/26/2020 9:39 AM	It's National Dog Day! Do you, uh, PUP (pick		330		10 7		Boost Post
	08/25/2020 2:54 PM	Major project at Hoover Reservoir to		392		28 5		Boost Post
	08/25/2020 2:25 PM	Hoover CIP update: installation of the		465		21 13		Boost Post
	08/25/2020 9:38 AM	Trouble paying your utility bill? Check out		513		5 5		Boost Post
	08/24/2020 10:50 AM	these framed in		264		5 4		Boost Post
	08/21/2020 5:59 PM	If you're having trouble paying your city utility bill, check out		275		1		Boost Post
	08/20/2020 12:33 PM	Trouble paying your utility bill? Check out		246		1 0		Boost Post
	08/18/2020 1:32 PM	Hoover Reservoir recreational users: the		557		9 17		Boost Post
	08/15/2020 9:06 AM	This article also discusses how		714		71 78		Boost Post
	08/15/2020 7:30 AM	On 8/14/2020 a precautionary boil		11.9K		633 252	!	Boost Post
	08/14/2020 8:48 AM	The Columbus Department of Public		123.9K		13.1K 3K		Boost Post
	08/13/2020 3:34 PM	Heard about the utility assistance available		1.7K		31 17		Boost Post
	08/13/2020 3:19 PM	If you are a city power customer and have		740		4 5		Boost Post
	08/13/2020 2:51 PM	Gotten behind on your utility bill? Request a		504		5 0		Boost Post
	08/13/2020 11:44 AM	If your current job situation may meet		465		3		Boost Post
	08/12/2020 2:37 PM	On 8/11/2020 a precautionary boil		16.1K		1.3K 423		Boost Post
	08/12/2020 10:09 AM	Boil water advisory issued for parts of		675		58 13		Boost Post
	08/12/2020 9:38 AM	The boil advisory for a designated area of the central		1.4K		194 35		Boost Post
	08/11/2020 3:15 PM	A boil water advisory was issued today for a		9.4K		762 205		Boost Post
	08/11/2020 9:38 AM	●●●		825		8 3		Boost Post
						0	1	
	08/10/2020 1:41 PM	West State of State o		465		3		Boost Post

(2) Columbus Public Utilities | Facebook

3/	10/2021			(2)	Columi	ous Public Uti	lities F	acebook	
	08/10/2020 11:48 AM	9	F		340		2 0		Boost Post
	08/10/2020 10:49 AM	CALL 811 SEFORE			305		1		Boost Post
	08/06/2020 10:03 AM		Our Division of Power Assistant		321		9		Boost Post
	08/05/2020 12:35 PM	EAR IT OUT	Septic tanks and aeration tanks fill up. If		353		6 4		Boost Post
	08/04/2020 4:00 PM	3.4	声		201		1		Boost Post
	08/04/2020 3:47 PM		A capital improvement project at the Hoover		14.7K		1.8K 320		Boost Post
	08/04/2020 10:52 AM		Shutoffs due to non- payment remain on		224		3 2		Boost Post
	08/03/2020 4:28 PM		Perennials require less water than		153		1 0		Boost Post
	08/03/2020 2:22 PM		Our Customer Service call hold times have		204		3 2		Boost Post
	07/30/2020 3:08 PM		-		150		1 2		Boost Post
	07/29/2020 2:38 PM	Se	Water and power shutoffs due to non-		361		10 5		Boost Post
	07/29/2020 2:28 PM	100	In case you missed it:		85		1		Boost Post
	07/29/2020 12:44 PM		厚		107		1 0		Boost Post
	07/29/2020 9:39 AM	A Carl	If you are a Columbus Power customer and		640		13 19		Boost Post
	07/28/2020 3:02 PM		Today we mourn one of our own. Thank you		290		128 33		Boost Post
	07/28/2020 2:53 PM	13			106		3 0		Boost Post
	07/28/2020 8:38 AM		Mayor Andrew Ginther announces more than		155		9 2		Boost Post
	07/27/2020 4:02 PM	RP3	Did you know that if you live or your		105		0		Boost Post
	07/23/2020 2:03 PM		Reminder: a service request cannot be		2.3K		16 10		Boost Post
	07/23/2020 9:43 AM	像			113		0 2		Boost Post
	07/22/2020 4:39 PM	- 60	F		98		3		Boost Post
	07/22/2020 4:37 PM		Tour Green Infrastructure at the		92		2		Boost Post
	07/21/2020 10:03 AM		The phone system for our call center was		193		2 3		Boost Post
	07/20/2020 9:25 AM		Reminder for Columbus Power		144		2 2		Boost Post
	07/17/2020		Some lawns are				0		

3/	10/2021			(2)	Columb	ous Public Uti	lities F	acebook	
	(10:53 AM)		looking stressed due		***	1	2	I	Boost Post
	07/15/2020 11:20 AM	86% 011 MCOT 2			122		0		Boost Post
	07/14/2020 11:25 AM				130		0 3		Boost Post
	07/13/2020 2:02 PM		 		122		0 2		Boost Post
	07/13/2020 1:48 PM		Ever wonder what those colored flags		188		5 9		Boost Post
	07/13/2020 9:41 AM				119		0		Boost Post
	07/09/2020 3:37 PM	Ent.			119		0		Boost Post
	07/08/2020 8:40 AM	<u> </u>	-		226		11 14		Boost Post
	07/08/2020 8:39 AM	4.4 trillion	P		98		0		Boost Post
	07/07/2020 11:11 AM	- Ji	The storm drain in your street carries rain		115		0		Boost Post
	07/02/2020 8:44 AM		Hot weather safety reminder: it's illegal		912		22 23		Boost Post
	07/01/2020 10:05 AM	-	Safety reminder as central Ohio weather		94		0		Boost Post
	07/01/2020 9:49 AM		Some good tips on staying cool but safe		133		1 3		Boost Post
	06/30/2020 10:35 AM	GET GRA	Did you know that 1" of water or rain a		100		1 0		Boost Post
	06/29/2020 12:47 PM	Y	Most higher-than- usual water/sewer bills		125		1		Boost Post
	06/29/2020 10:06 AM	1			109		1 0		Boost Post
	06/25/2020 11:02 AM	SUSTANASIA FOLLOWS	厚		98		2		Boost Post
	06/25/2020 11:01 AM	THE PERSONAL PROPERTY.	厚		94		0		Boost Post
	06/25/2020 9:39 AM	- '	Water and city power shutoffs due to non-		931		61 12		Boost Post
	06/23/2020 2:50 PM	0.4	Drink up! Please use reusable water bottles		80		0		Boost Post
	06/23/2020 10:59 AM	els.	₽		94		1 0		Boost Post
	06/23/2020 9:28 AM				98		2 0		Boost Post
	06/22/2020 2:45 PM		ICYMI: our call center is back to normal		171		0		Boost Post
	06/22/2020 1:46 PM	(Our latest drinking water quality report		177		3		Boost Post
	06/19/2020		As of today, June 19,				94	1	

3/	10/2021			(2)	Columb	ous Public Uti	lities F	acebook	
	11:12 AM		our Call Center has			I	25	I	Boost Post
	06/12/2020 12:48 PM		Good news! Customers can now		2.4K		116 49		Boost Post
	06/11/2020 1:48 PM	0.42	Ever wonder how many gallons of water		969		34 24		Boost Post
	06/11/2020 9:24 AM	- '	Have you registered for our Customer		228		2		Boost Post
	06/11/2020 8:45 AM		For city power restoration updates		278		8		Boost Post
	06/10/2020 10:23 AM	V	F		160		0		Boost Post
	06/10/2020 10:09 AM				158		0		Boost Post
	06/10/2020 10:08 AM	1	Please remember to be safe when boating		206		0 2		Boost Post
	06/09/2020 2:45 PM		Due to COVID-19, delinquency shut-offs		283		4 2		Boost Post
	06/09/2020 12:24 PM		F		204		5 4		Boost Post
	06/09/2020 11:28 AM	9	Hot weather reminder: it's illegal & dangerous		526		57 25		Boost Post
	06/05/2020 2:46 PM	=	P		173		3		Boost Post
	06/05/2020 10:48 AM	-	Due to COVID-19, Columbus temporarily		400		13 10		Boost Post
	06/04/2020 12:01 PM		厚		199		7 5		Boost Post
	06/04/2020 10:17 AM		Planning to fill a backyard pool this		1.7K		166 44		Boost Post
	06/04/2020 10:01 AM	N.	Native landscaping saves a lot of water		222		1 6		Boost Post
	06/03/2020 2:12 PM		Frequently asked question: if a waterline		786		24 18		Boost Post
	06/03/2020 12:25 PM	COLUMB	Repair work continues on the water main		360		13 11		Boost Post
	06/02/2020 5:00 PM	COLUMB	Water main update, Morse Road at 270,		414		3 6		Boost Post
	06/02/2020 1:47 PM	COLUMB	Water main update, Morse Road at 270,		356		6 9		Boost Post
	06/02/2020 10:42 AM	COLUMBUS	the department is aware of a waterline		603		7 10		Boost Post
	05/29/2020 1:13 PM	- Th	Storm drains and ditches along		800		20 20		Boost Post
	05/28/2020 1:35 PM	100	We are pleased to announce that our		807		17 21		Boost Post
	05/28/2020 9:35 AM	k he si			163		2 0		Boost Post
	05/27/2020 4:43 PM	SCAM	The same goes for us,		190		2 3		Boost Post

3/	10/2021			(2)	Columb	ous Public Util	ities F	acebook	
	05/26/2020 9:18 AM		If you are a city electric customer, for		357		5 7		Boost Post
	05/22/2020 9:00 AM		#SafeBoatingWeek		262		0		Boost Post
	05/21/2020 1:26 PM				130		1		Boost Post
	05/21/2020 9:32 AM	10 m	#SafeBoatingWeek		267		4 4		Boost Post
	05/20/2020 3:43 PM		#SafeBoatingWeek		233		1		Boost Post
	05/19/2020 4:35 PM				248		6 5		Boost Post
	05/19/2020 3:05 PM		Columbus floodwalls being activated		313		53 51		Boost Post
	05/19/2020 1:26 PM	COLUMB IN			129		1		Boost Post
	05/19/2020 1:23 PM				219		11 2		Boost Post
	05/19/2020 12:15 PM		Columbus Public Utilities		506		191 20		Boost Post
	05/19/2020 12:05 PM		Columbus Public Utilities updated their		65		3		Boost Post
	05/19/2020 10:51 AM	100	It's a wet one out there. If you		3.5K		392 104		Boost Post
	05/19/2020 10:34 AM	A No.			181		11 0		Boost Post
	05/18/2020 12:57 PM	The second second	It's National Safe Boating Week! A good		227		6 6		Boost Post
	05/18/2020 9:50 AM				130		1 3		Boost Post
	05/13/2020 10:38 AM		Reminder, the Community Backyards		234		14 7		Boost Post
	05/11/2020 11:35 AM		Opening a building that has been closed		197		1 3		Boost Post
	05/11/2020 10:35 AM	ENTERNAL E	Þ		140		5 1		Boost Post
	05/11/2020 10:32 AM	Le	-		118		3 2		Boost Post
	05/11/2020 10:21 AM	100 A 100 A	Good educational info to share with kids to		216		24 11		Boost Post
	05/08/2020 9:41 AM	P1	Reason #5 to choose tap over bottled water:		103		0		Boost Post
	05/07/2020 10:55 AM	RESTA			184		17 1		Boost Post
	05/07/2020 (10:53 AM)	1	-		313		69 15		Boost Post
	05/07/2020 10:23 AM	P*1	Reason #4 to choose tap over bottled: the		157		1 2		Boost Post

3/10/2021			(2) Colur	ndus Pudi	ic Utilities	гасероок	
05/06/2020 2:39 PM	Digital Event: What's in Our Water?		57		1 0		Boost Event
05/06/2020 2:36 PM	#DrinkingWaterWeek		185		2 7		Boost Post
05/06/2020 10:09 AM	#DrinkingWaterWeek #WorkerWednesday		219		13 14		Boost Post
05/06/2020 9:58 AM	Reason #3 to choose tap over bottled: less		280		6 11		Boost Post
05/05/2020 1:49 PM	Pledge to Get Grassy, get free stuff and		182		6 5		Boost Post
05/05/2020 10:38 AM	Programme Communication Commun	F	214		8 9		Boost Post
05/05/2020 10:16 AM	Let's give a like for all the public workers out		1.5K		50 88		Boost Post
05/05/2020 9:36 AM	Reason #2 tap water is better: it is much		374		9		Boost Post
05/04/2020 4:47 PM	Reopening your building after weeks		201		8		Boost Post
05/04/2020 4:33 PM	If interested in helping children at home learn		179		4 5		Boost Post
05/04/2020 3:16 PM	What can you do for #DrinkingWaterWeek?		150		1 4		Boost Post
05/04/2020 11:08 AM			93		1 0		Boost Post
05/04/2020 9:48 AM	Reason #1 tap water is a better choice than		530		10 20		Boost Post
05/04/2020 9:03 AM	Opening a building that has been closed		435		15 9		Boost Post
05/01/2020 12:27 PM	May is National Electric Safety Month.		321		25 11		Boost Post
05/01/2020 12:09 PM	Great opportunity!		161		6		Boost Post
05/01/2020 9:45 AM	Planning to open a building that has been		1.6K		83 55		Boost Post
04/30/2020 3:38 PM	=		233		6 11		Boost Post
04/30/2020 1:44 PM	Delinquency shutoffs for water/power		283		13 11		Boost Post
04/30/2020 10:31 AM	Remember, call before you dig.		105		2 2		Boost Post
04/30/2020 9:16 AM	Are you a Columbus power customer?		430		15 11		Boost Post
04/29/2020 12:10 PM	Nobody wants to see them drain into our		207		9		Boost Post
04/29/2020 10:06 AM	Another great way to reduce waste is to		190		7 3		Boost Post
04/28/2020 10:21 AM	Did you know that deep-rooted, native		348		22 12		Boost Post
	1-7-04						

3/10/2021 (2) Columbus Public Utilities Facebook							
(3:05 PM)	What happens if you cut down all of a city's		96	0		Boost Post	
04/24/2020 2:52 PM			145	1 5		Boost Post	
04/24/2020 9:48 AM	Call center hours during Ohio's		343	11		Boost Post	
04/23/2020 4:01 PM			146	1 3		Boost Post	
04/22/2020 4:40 PM	=		167	2 2		Boost Post	
04/22/2020 12:37 PM	Reminder as toilet paper shortages		778	4 ²		Boost Post	
04/22/2020 11:58 AM			136	2 4		Boost Post	
04/22/2020 9:35 AM	Trash in the oceans isn't always dumped		99	0		Boost Post	
04/22/2020 9:10 AM	Happy Earth Day! It's a different kind of year		223	9	3	Boost Post	
04/21/2020 4:06 PM	Earth Day GreenSpot Yard and Alley		134	7 4		Boost Event	
04/21/2020 3:58 PM	8pm 'Green Columbus' General		113	0 2		Boost Event	
04/21/2020 10:59 AM	We salute those who do annual litter		474	8		Boost Post	
04/21/2020 9:12 AM	Great opportunity!		227	18	В	Boost Post	
04/20/2020 2:43 PM	Our Division of Power has earned a Reliable		353	30		Boost Post	
04/20/2020 1:23 PM	It's National Work Zone Awareness		202	2 8		Boost Post	
04/20/2020 10:09 AM	Thank you, Councilmember		252	3′		Boost Post	
04/16/2020 4:02 PM	5.5%		101	5 0		Boost Post	
04/16/2020 1:04 PM	Low income & senior discount program		341	8		Boost Post	
04/16/2020 12:48 PM	Recognizing Those Who Keep The Lights		167	3 3		Boost Post	
04/16/2020 11:25 AM	Business viewpoint: Utility workers — a		312	3 ²		Boost Post	
04/16/2020 11:23 AM	Includes some nice water scenes!		285	37		Boost Post	
04/16/2020 11:19 AM			187	16 5	6	Boost Post	
04/16/2020 9:48 AM			136	7 5		Boost Post	
04/16/2020 9:43 AM	Have you checked out the Community		690	39		Boost Post	
04/15/2020	Storm drains and	<i>"</i> : 11 <i>(</i> 0 <i>(</i>)	D 1	40	0		

3/10/2021	acebook					
(10:19 AM)	ditches carry rainwater		***	37	I	Boost Post
04/14/2020 3:48 PM			206	7 6		Boost Post
04/14/2020 1:13 PM	If you are at home obsessing over your		205	13 5		Boost Post
04/13/2020 2:00 PM	Do you, uh, PUP? (Pick up poop)? Take		343	6 7		Boost Post
04/13/2020 9:14 AM	Starting Monday, April 13, call center hours		307	6 10		Boost Post
04/10/2020 11:46 AM	Starting Monday, April 13, our call center		890	44 37		Boost Post
9:33 AM	=		140	7 3		Boost Post
04/10/2020 9:27 AM	Receive benefits from the following		404	10 6		Boost Post
04/09/2020 9:09 AM	Parents, if you are looking for activities		214	6 9		Boost Post
04/08/2020 9:31 AM	Also, markings do not indicate the type of		367	23 21		Boost Post
04/07/2020 1:44 PM	It's okay; we know our services are mostly		468	40 56		Boost Post
04/07/2020 11:46 AM	Electrical Safety Foundation		118	5 2		Boost Post
04/07/2020 10:03 AM	While it may feel like a public health month, it		278	7 11		Boost Post
04/07/2020 9:55 AM	↑		190	2 4		Boost Post
04/06/2020 10:51 AM	As Ohio's stay-at- home order continues,		517	15 16		Boost Post
04/02/2020 9:44 AM	tor way		104	0		Boost Post
04/02/2020 9:44 AM	* 74		161	1 4		Boost Post
04/01/2020 12:08 PM	While many are home, it's an excellent time to		129	2		Boost Post
04/01/2020 12:03 PM	While You Are at Home - Take the		91	0 0		Boost Post
04/01/2020 8:25 AM	Sh in		104	3		Boost Post
03/31/2020 5:03 PM	Reminder that we offer discount		154	2		Boost Post
03/31/2020 3:59 PM	Columbus Public Utilities		125	9		Boost Post
03/30/2020 2:46 PM			204	0 8		Boost Post
03/30/2020 1:05 PM	Heavy rains a temporary solution to		162	9		Boost Post
03/30/2020	Columbus Public	line simbate 10		18	1	

3/10/2021		(2)	Columb	ous Public Util	lities F	acebook	
9:58 AM	Utilities warns against			1	19	I	Boost Post
03/27/2020 2:49 PM	京成北京 学家至第		148		2 3		Boost Post
03/27/2020 9:21 AM	While our call center is on shortened hours		1.1K		78 30		Boost Post
03/26/2020 11:23 AM	The same goes for all activities at our		150		3 4		Boost Post
03/26/2020 9:42 AM	In case you missed it: Effective 3/25 due to		150		0 9		Boost Post
03/25/2020 3:11 PM	Effective today, due to the COVID-19		995		112 37		Boost Post
03/25/2020 (12:25 PM)	This is a lot of information for a social		3.6K		917 113	•	Boost Post
03/25/2020 9:10 AM	Effective today, due to the COVID-19		643		50 15		Boost Post
03/24/2020 1:16 PM	3		118		2 0		Boost Post
03/24/2020 1:10 PM	In contract to the contract to		148		3 2		Boost Post
03/24/2020 1:09 PM			93		7		Boost Post
03/24/2020 1:07 PM	The state of the s		69		5 2		Boost Post
03/24/2020 12:52 PM	Essential utility services will continue,		134		12 2		Boost Post
03/24/2020 12:46 PM			99		8		Boost Post
03/24/2020 11:26 AM			100		2 2		Boost Post
03/24/2020 10:23 AM	The Department of Public Utilities has		142		3		Boost Post
03/23/2020 4:09 PM	What a great way to entertain the kids at		111		0		Boost Post
03/23/2020 12:37 PM	Reminder: shutoffs due to non-payment		413		12 7		Boost Post
03/23/2020 (11:33 AM)	Reminder on what to not flush to avoid		636		30 19		Boost Post
03/20/2020 4:40 PM	Please report any sewer basement		1.7K		110 58		Boost Post
(03/20/2020) (4:19 PM)	If your home was built prior to 1963, your		1K		132 22		Boost Post
03/20/2020 1:54 PM	With coronavirus price gouging including \$13		202		19 2		Boost Post
03/20/2020 12:49 PM	In these uncertain times, know that your		627		24 32		Boost Post
03/20/2020 12:21 PM	Phone lines are very busy today at Sewer		1.7K		147 44		Boost Post
03/20/2020	Good resource.				2	I	Boost Post

3/10/2021 (2) Columbus Public Utilities Facebook							
11:29 AM				1	^	1	
03/20/2020 10:19 AM	The latest Consumer Confidence Drinking		117		4 3		Boost Post
03/20/2020 10:06 AM	One thing we all don't need to worry about		147		13 10		Boost Post
03/20/2020 9:47 AM	COVID-19 Update - Online and Over the		167		28 12		Boost Post
03/20/2020 9:45 AM	While in-person bill payment/permit desks		128		7 2		Boost Post
03/20/2020 9:37 AM	Due to the overnight rainfall many roads		100		8		Boost Post
03/19/2020 2:15 PM	- Stylen Section 1		88		2 0		Boost Post
03/19/2020 2:14 PM	Socks? New one or us!		144		3 4		Boost Post
03/18/2020 8:48 PM	Information below from the U.S.		187		29 3		Boost Post
03/18/2020 4:18 PM	2002 2002		2.7K		148 111		Boost Post
03/18/2020 12:22 PM	Changes begin today, including call center		223		12 15		Boost Post
03/17/2020 4:57 PM	Due to the COVID-19 crisis, the City of		1.4K		100 34		Boost Post
03/17/2020 9:55 AM	With many of us spending more time at		123		0		Boost Post
03/16/2020 3:38 PM			112		8 0		Boost Post
03/16/2020 10:56 AM	Reminder with the TP shortages at stores: if		2.2K		154 85		Boost Post
03/13/2020 4:46 PM	Columbus Public Utilities		154		5 0		Boost Post
03/13/2020 11:52 AM	As part of the ongoing efforts on COVID-19,		233		23 21		Boost Post
03/06/2020 11:13 AM	Size you had one of the size o		142		1 2		Boost Post
03/05/2020 3:53 PM	Columbus Public Utilities updated their		70		0		Boost Post
03/05/2020 11:24 AM	It's National Consumer Protection Week.		148		1 2		Boost Post
03/05/2020 11:13 AM	=		112		3 0		Boost Post
03/04/2020 2:48 PM	For Women's History Month, we remember		135		4 3		Boost Post
02/28/2020 1:52 PM	This helps protect water supplies too,		103		1 0		Boost Post
02/18/2020 6:02 PM	Congratulations to Philip A. Schmidt,		306		109 39		Boost Post
02/12/2020 3:20 PM		/ · · · · · · · · · · · · · · · · · · ·	127		5 1		Boost Post

3/10/2021		(2) Columbus Public U	tilities Facebook	
02/12/2020 3:05 PM	2020 GreenSpotLight Awards Celebration	76	0	Boost Event
02/10/2020 4:53 PM	=	75	0	Boost Post
02/10/2020 10:53 AM	Our Call Center phone lines are currently	130	4 1	Boost Post
02/07/2020 3:16 PM	Conservation Poster Contest - Franklin Soil	100	7	Boost Post
02/07/2020 3:13 PM	Don't let it come to that. Call us to work	119	6 1	Boost Post
02/06/2020 10:20 AM	Maximum income numbers for our low	233	15	Boost Post
02/03/2020 10:37 AM	Total Control	67	0	Boost Post
01/23/2020 5:35 PM	Rain is in the forecast; if you are a City of	640	37 10	Boost Post
01/13/2020 4:25 PM	If you are a Columbus power customer, are	253	4	Boost Post
01/13/2020 10:05 AM	Yikes.	151	8 0	Boost Post
01/13/2020 9:45 AM	Native plants require less water and	173	4 6	Boost Post
01/10/2020 10:52 AM	We have various job vacancies to be filled	12.5K	1.8K 343	Boost Post
01/08/2020 12:15 PM	If one of your new year's resolutions was	156	1 0	Boost Post
01/07/2020 9:30 AM	Sharing this Ohio EPA public comment	, ,		

New GreenSpot Commitments for 2020

Industry	BusinessName
office_and_education	CESO Inc
restaurant_and_grocery	HSU & Co. Natural Health Store
industrial	Hill International
office_and_education	Schooley Caldwell Associates
office_and_education	Systems 28 Inc
industrial	Environmental Design Group
restaurant_and_grocery	Nurtur Brewery District
office_and_education	Scioto Energy
industrial	Kimley-Horn
office_and_education	New Reach Community Consulting
office_and_education	Mother's Helper child care and services
office_and_education	CTL Engineering, Inc.
industrial	Elford, Inc.
office_and_education	First Community Church
industrial	Austin Guitar Repair
office_and_education	Franklinton Farms
office_and_education	Franklin Medical Center
office_and_education	Toole Design Group
office_and_education	TranSystems Corporation of Ohio
office_and_education	Font Text
industrial	Environmental Remediation Contractor
office_and_education	Russell Tree Experts
office_and_education	The King Arts Complex
office_and_education	Mount Carmel Health System
office_and_education	King Business Interiors
office_and_education	JewishColumbus
restaurant_and_grocery	Wolf's Ridge Brewing
office_and_education	Studio Pence
industrial	Ashland LLC
industrial	Encor Solar
office_and_education	Haven Collective

City of Columbus 2020 City Council Meetings

2/03/20	Reg.Mtg.#6&7,5:00&6:30p.m.
2/10/20	Reg.Mtg.#8&9,5:00&6:30p.m.
2/24/20	Reg.Mtg.#10&11,5:00&6:30p.m.
3/02/20	Reg.Mtg.#12&13,5:00&6:30p.m.
3/16/20	Reg.Mtg.#14&15,5:00&6:30p.m.
3/23/20	Reg.Mtg.#16&17,5:00&6:30p.m.
3/30/20	Reg.Mtg.#18&19,5:00&6:30p.m.
4/06/20	Reg.Mtg.#20&21,5:00&6:30p.m.
4/20/20	Reg.Mtg.#22&23,5:00&6:30p.m.
4/27/20	Reg.Mtg.#24&25,5:00&6:30p.m.
5/04/20	Reg.Mtg.#26&27,5:00&6:30p.m.
5/11/20	Reg.Mtg.#28&29,5:00&6:30p.m.
5/18/20	Reg.Mtg.#30&31,5:00&6:30p.m.
6/01/20	Reg.Mtg.#22,5:00p.m.
6/15/20	Reg.Mtg.#23&24,5:00&6:30p.m.
6/29/20	Reg.Mtg.#25&26,5:00&6:30p.m.
7/06/20	Reg.Mtg.#27&28,5:00&6:30p.m.
7/20/20	Reg.Mtg.#29&30,5:00&6:30p.m.
7/27/20	Reg.Mtg.#31&32,5:00&6:30p.m.
9/14/20	Reg.Mtg.#33&34,5:00&6:30p.m.
9/21/20	Reg.Mtg.#35&36,5:00&6:30p.m.
10/05/20	Reg.Mtg.#37&38,5:00&6:30p.m.
10/12/20	Reg.Mtg.#39&40,5:00&6:30p.m.
10/19/20	Reg.Mtg.#41&42,5:00&6:30p.m.
10/26/20	Reg.Mtg.#43&44,5:00&6:30p.m.
11/09/20	Reg.Mtg.#45&46,5:00&6:30p.m.
11/16/20	Reg.Mtg.#47&48,5:00&6:30p.m.
11/23/20	Reg.Mtg.#49&50,5:00&6:30p.m.
12/07/20R	eg.Mtg.#51&52,5:00&6:30p.m.
12/14/20	Reg.Mtg.#53&54,5:00&6:30p.m.

Addresses of Home Sewage Treatment Systems Known to Discharge to The City of Columbus MS4 December 31, 2020

Address	Size (inches)	Configuration	Material
477 E Kanawha Ave	6	Channel	Plastic
885 Meeklynn Dr	8	Circular	Plastic
949 Meeklynn Dr	12	Circular	Concrete
1001 Meeklynn Dr	18	Circular	Concrete
1050 E Cooke Rd	4	Circular	Plastic
1271 Southport Cir	12	Circular	Concrete
1290 Northport Cir	18	Circular	Clay
1300 Northport Dr	12	Circular	Clay
1301 Southport Dr	12	Circular	Metal
1309 Northport Cir	4	Channel	Plastic
1315 Southport Dr	12	Circular	Plastic
1328 Northport Dr	12	Circular	Clay
1335 Southport Dr	12	Circular	Concrete
1342 Northport Dr	4	Channel	Plastic
1355 Southport Dr	12	Circular	Concrete
1356 Northport Dr	12	Circular	Clay
1359 Northport Dr	4	Channel	Plastic
1371 Northport Dr	4	Channel	Plastic
1379 Southport Dr	12	Circular	Concrete
1385 Northport Dr	4	Channel	Plastic
1388 Portage Dr	8	Circular	Clay
1390 Southport Dr	10	Circular	Clay
1400 Northport Dr	12	Circular	Clay
1460 West Case Rd	4	Channel	Plastic
1582 Studer Ave	12	Circular	Concrete
1593 West Case Rd	4	Circular	Plastic
1696 Georgesville Pl	12	Circular	Concrete
1700 West Case Rd	Unknown	Unknown	Unknown
1702 Georgesville Pl	12	Circular	Concrete
1710 Barnett Rd	12	Circular	Clay
1712 Barnett Rd	24	Circular	Concrete
1715 E 24Th Ave	12	Circular	Concrete
1800 Snouffer Rd	4	Circular	Plastic
1815 Dyer Rd	4	Channel	Plastic
1820 Snouffer Rd	4	Circular	Plastic
1828 Snouffer Rd	15	Circular	Clay
1855 Snouffer Rd	15	Circular	Plastic
1865 Snouffer Rd	10	Circular	Clay
1867 Snouffer Rd	15	Circular	Plastic
1890 Snouffer Rd	4	Channel	Plastic
1891 Snouffer Rd	12	Circular	Plastic

Addresses of Home Sewage Treatment Systems Known to Discharge to The City of Columbus MS4 December 31, 2020

Address	Size (inches)	Configuration	Material
1907 Snouffer Rd	12	Circular	Plastic
1992 Brown Rd	10	Circular	Plastic
2200 Sunbury Rd	27	Circular	Clay
2209 Watkins Rd	45	Circular	Plastic
2221 Watkins Rd	8	Circular	Clay
2300 Sunbury Rd	18	Circular	Concrete
2322 Sunbury Rd	12	Circular	Concrete
2374 Sunbury Rd	12	Circular	Concrete
2385 Stelzer Rd	21	Circular	Concrete
2445 Brooklyn Rd	15	Circular	Concrete
2456 Harrisburg Pike	15	Circular	Concrete
2626 Fisher Rd	24	Circular	Concrete
2665 Spangler Rd	24	Circular	Concrete
2709 Agler Rd	42	Circular	Concrete
2900 Innis Rd	18	Circular	Concrete
2901 Brookdown Dr	12	Circular	Concrete
3078 Lewis Rd	30	Circular	Concrete
3085 Brookdown Dr	4	Channel	Plastic
3171 E Deshler Ave	-9	Circular	Concrete
3209 Glenoak Dr	10	Circular	Concrete
3458 Bexvie Ave	30	Circular	Concrete
3555 El Paso Dr	8	Circular	Concrete
3600 Ferrell Pl	12	Circular	Concrete
3712 Behm Rd	8	Circular	Concrete
3750 Behm Rd	8	Circular	Clay
3956 Sunbury Rd	12	Circular	Concrete
3992 Sunbury Rd	10	Circular	Concrete
4815 Trabue Rd	4	Channel	Plastic
4820 Kenny Rd	60	Circular	Concrete
4927 Postlewaite Rd	12	Circular	Concrete
5180 Broadview Rd	4	Channel	Plastic
5215 Cherry Bottom Rd	4	Channel	Plastic
5236 Cherry Bottom Rd	Unknown	Unknown	Unknown
5240 Cherry Bottom Rd	Unknown	Unknown	Unknown
5250 Cherry Bottom Rd	Unknown	Unknown	Unknown
5262 Cherry Bottom Rd	Unknown	Unknown	Unknown
6015 Cooper Rd	4	Channel	Plastic
6033 Refugee Rd	6	Circular	Plastic
6350 Harlem Rd	Unknown	Unknown	Unknown
6847 Smoky Row Rd	24	Circular	Concrete

City of Columbus 2020 Employee Training Summary

Date(s)	Sponsor	Name of Class / Description	No. of City Attendees	Program Element	
02/20/20	Hydro International	Stormwater Maintenance Myths	2	PC	
02/26/20	USEPA	Research to Support and Implement Recreational Water Quality Criteria	1	PD, WWM	
03/04/20	One Water	Government Affairs Workshop	1	CP	
05/20/20	Center for Watershed Protection	Small Scale BMPs	4	CP, PC	
07/16/20	SaveLocalWaters.org	Developing an Effective & Approvable Storm Water Pollution Prevention Plan	1	СР	
10/13/20	Environmental Professionals Network	Conversations on the Politics and Science of Climate Change in the Buckeye State	1	PD, WWM	
11/05/20	Franklin SWCD	Construction and Post-Construction MCM Workshop	3	CP, PC	
12/08/20	Ohio Floodplain Management Association	Ohio Statewide Floodplain Management Conference	1	PD	
12/15/20	Ohio Floodplain Management Association	Ohio Statewide Floodplain Management Conference	1	PD	

City of Columbus 2020 Employee Training Summary

Date(s)	Sponsor Name of Class / Description		No. of City Attendees	Program Element	
various	Department of Public Utilities, Divisions of Water and Power	SWPPP training at 3 water treatment plants, 910 Dublin Road facility, 3 watershed management facilities, and 3500/3568 Indianola Avenue facility.	172	GH	
various	Department of Public Utilities, Division of Sewerage and Drainage	SWPPP training at 2 wastewater treatment plants, the Compost facility, Sewer Maintenance Operations Center, and the Grit Pad facility.	236	GH	
various	Department of Public Service, Division of Refuse	SWPPP training at 3 city-operated refuse collection facilities.	90	GH	
various	Department of Public Service, Traffic Management Division	SWPPP training for employees.	0	GH	
various	Department of Public Service, Infrastructure Management Division	SWPPP and snow removal training for 6 transportation maintenance facilities.	90	GH	
various	Columbus Public Health	SWPPP training for employees.	3	GH	
various	Department of Recreation & Parks	SWPPP training for 14 maintenance facilities and 5 city-owned golf courses.	45	GH	
various	Department of Finance & Management	SWPPP training for fleet and facilities management.	35	GH	
various	Department of Public Safety, Division of Fire	SWPPP training at 33 fire stations.	1000	GH	
various	Department of Public Safety, Division of Police	SWPPP training at 5 support facilities.	15	GH	

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0277T0514	1/8/2020					0							
SC265	1/8/2020					0							
SC266	1/8/2020					0							
0453T0846	1/14/2020					0							
0370T0313	1/14/2020					0							
0450T0540	1/14/2020	Clear	None	Clear	No	N/M	7.6	8	0	0	0	0.3	0.25
OL152	1/14/2020					0							
0116T0513	1/15/2020					0							
0115T0305	1/15/2020					0							
0114T0320	1/15/2020					0							
0112T0308	1/15/2020					0							
0112T0530	1/15/2020					0							
0112T0311	1/15/2020					0							
0216T0196	1/16/2020					0							
0216T0314	1/16/2020	Clear	None	Clear	No	0.02	7.5	7	0	0	0	0.2	0.25
0279T0415	1/16/2020	Clear	None	Clear	No	N/M	7.4	6	0	0	0	0.4	0
0279T0572	1/16/2020	Clear	None	Clear	No	N/M	7.5	6	0	0	0	0.4	0.25
0215T0176	1/16/2020	Clear	None	Clear	No	N/M	7.6	6	0	0	0	0.4	0.25
0160T0919	1/16/2020	Clear	None	Clear	No	0.01	7.3	7	0	0	0	0.4	0.25
0164T0028	1/16/2020					0							
0164T0029	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							
1107t1585	1/16/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0009T0904	1/16/2020					0							
0009T0280	1/16/2020					0							
0068T0408	1/23/2020	Clear	None	Clear	No	N/M	7.4	5	0	0	0	0.4	0.25
0117T0062	1/28/2020					0							
0117T0284	1/28/2020					0							
0857T0938	1/28/2020					0							
0117T0129	1/28/2020					0							
0857T0627	1/28/2020					0							
0857T0184	1/28/2020					0							
1107t1585	1/28/2020					0							
1107t1585	1/28/2020					0							
1107t1585	1/28/2020					0							
1107t1585	1/28/2020					0							
0117T0848	1/28/2020					0							
0857T0632	1/28/2020					0							
0161T0461	1/28/2020					0							
SC292	1/28/2020					0							
SC293	1/28/2020					0							
1107T1585	1/28/2020					0							
1107T1241	1/28/2020					0							
0161T0672	1/28/2020	Clear	None	Clear	No	0.01	7.5	5	0	0	0.3	0	0.25
0979T0748	1/28/2020					0							
0979T0695	1/28/2020					0							
0043T1283	1/28/2020					0							
0044T0878	1/28/2020	Clear	None	Clear	No	0.05	7.6	6	0	0	0	0.2	0.25
0372T0614	1/29/2020	Clear	None	Clear	No	0.07	7.6	6	0	0	0	0.3	0.25
0541T0104	1/29/2020					0							
0636T0684	1/29/2020	Clear	None	Clear	No	N/M	7.3	5	0	0	0	0.4	0.5
0217T0424	1/29/2020					0							
0217T0346	1/29/2020					0							
0216T1087	1/29/2020					0							
0280T0665	1/29/2020					0							
0216T0878	1/29/2020					0							
0216T0866	1/29/2020					0							
0216T0832	1/29/2020					0							
0216T0205	1/29/2020					0							
0118T0949	1/29/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs	·	C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0118T0800	1/29/2020					0							
0352T0200	1/30/2020					0							
0352T0197	1/30/2020					0							
BD42	1/30/2020					0							
0353T0001	1/30/2020					0							
0280T0368	1/30/2020					0							
0280T0158	1/30/2020					0							
0280T0380	1/30/2020					0							
0280T0381	1/30/2020					0							
0280T0323	1/30/2020					0							
0037t0357	5/4/2020												
SC365	6/26/2020					0							
SC361	6/26/2020					0							
SC360	6/26/2020					0							
SC359	6/26/2020					0							
SC357	6/26/2020					0							
SC358	6/26/2020					0							
0589T0064	6/26/2020					0							
SC379	6/26/2020					0							
0151T0088	6/26/2020					0							
0106T0005	6/26/2020					0							
0106T0001	6/26/2020					0							
SC376	6/26/2020					0							
SC366	6/26/2020					0							
1107t1585	7/7/2020					0							
1107t1585	7/7/2020					0							
1107t1585	7/7/2020					0							
0108t637	7/7/2020					0							
0069t0429	7/7/2020					0							
0069t0159	7/7/2020					0							
0069t0429	7/7/2020					0							
0069t0429	7/7/2020					0							
0853T0388(S)	7/15/2020					0							
0853T0388(N)	7/15/2020	Clear	None	Clear	No	0.12	8.6	23	0	0	0	0.4	0.25
0747T0120	7/15/2020					0							
0375T0754	7/15/2020					0							
0118T0326	7/15/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0118T0525	7/15/2020	Clear	None	Clear	No	N/M	7.4	20	0	0	0.1	0.2	0.5
0118T0534	7/15/2020					0							
0365T0212	7/15/2020					0							
0445T0060	7/15/2020	Clear	None	Clear	No	N/M	7.3	18	0	0	0	0.2	0.25
SC299	7/15/2020					0							
0855T0005	7/15/2020					0							
0641T0907	7/15/2020					0							
0009T1273	7/17/2020					0							
0085T0827	7/17/2020					0							
0027T0261	7/17/2020					0							
0009T0614	7/17/2020					0							
0009T0117	7/17/2020					0							
0009T0889	7/17/2020					0							
0024T0382	7/17/2020					0							
0358T0023	7/20/2020					0							
BD32	7/20/2020					0							
0568T0736	7/20/2020					N/F							
SC309	7/20/2020					0							
SC375	7/20/2020					N/F							
0009T0339	7/20/2020					n/F							
0009T0336	7/20/2020					N/F							
SC356	7/20/2020					C/f							
0046T0995	7/20/2020					n/F							
SC163	7/27/2020					0							
SC162	7/27/2020					0							
0107T0373	7/27/2020					0							
SC364	7/27/2020					0							
0107T0408	7/27/2020					0							
0107T0011	7/27/2020					0							
SC380	7/27/2020					0							
0069T0159	7/27/2020					0							
0072T0152	7/27/2020					0							
0069t0429	7/27/2020					0							
0214T0239	7/27/2020					0							
0161T0479	7/27/2020					0							
0112T0191	7/30/2020					0							
0112T0181	7/30/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	ITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0112T0306	7/30/2020					0							
0112T0108	7/30/2020					0							
0112T0531	7/30/2020					0							
0073T0570	7/30/2020					0							
0112T0564	7/30/2020					0							
0073T0539	7/30/2020					0							
0073T0290	7/30/2020					0							
0073T0133	7/30/2020					0							
0073T0522	7/30/2020					0							
0043T1057	7/30/2020					0							
0043T1075	7/30/2020					0							
0167T0280	8/11/2020					0							
1107t1585	8/11/2020					0							
SC308	8/11/2020					0							
SC389	8/11/2020					0							
0219T0343	8/11/2020	Clear	None	Clear	No	N/M	7.8	23	0	0	0	0.3	0.25
0074T0638	8/11/2020												
0074T0221	8/11/2020					0							
0074T0558	8/11/2020					0							
0074T0603	8/11/2020					0							
0114T0468	8/11/2020	Clear	None	Clear	No	0.01	7.6	22	0	0	0	0.2	0.25
SC377	8/11/2020					0							
0165T0133	8/11/2020					0							
0216T1070	8/11/2020	Clear	None	Clear	No	0.02	7.6	21	0	0	0	0.2	0.25
0040T0055	8/12/2020					0							
0106T0637	8/12/2020					0							
0006T0524	8/12/2020					0							
0006T0099	8/12/2020					0							
0006T0087	8/12/2020					0							
0006T0090	8/12/2020					0							
0001T0018	8/12/2020					0							
SC296	8/12/2020					0							
0001T0289	8/12/2020												
0002T2848	8/12/2020					0							
0002T2844	8/12/2020					0							
0078T0163	8/12/2020	Clear	None	Clear	No	0.01	7.5	23	0	0	0	0.3	0.25
0117T0585	8/13/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0180T0246	8/13/2020					0							
AC162	8/13/2020					0							
0179T0326	8/13/2020					0							
AC168	8/13/2020					0							
0303T1805	8/13/2020					0							
0375T0753	8/13/2020	Clear	None	Clear	No	0.31	7.4	22	0	0	0.2	0	0.25
0855T0257	8/13/2020					0							
0368T0628	8/13/2020	Clear	None	Clear	No	0.05	7.6	22	0	0	0	0.3	0.25
0223T0240	8/13/2020	Clear	None	Clear	No	N/M	7.4	22	0	0	0	0.3	0.25
0079T0375	8/13/2020					0							
0079T0043	8/13/2020					0							
0079T0124	8/13/2020					0							
0042T0096	8/13/2020					0							
0037T0104	8/14/2020					0							
OL189	8/14/2020					0							
0161T0349	8/26/2020												
0151T0045	8/26/2020												
SC179	8/26/2020												
SC178	8/26/2020												
SC177	8/26/2020												
0120T0128(S)	8/26/2020												
SC244	8/26/2020												
SC242	8/26/2020												
SC241	8/26/2020												
0005T1061	8/26/2020												
0005T1055	8/26/2020												
0027T0275	8/26/2020												
BW9/20	8/26/2020												
0219T0190	8/26/2020												
0107T0195	8/26/2020												
0058T0328	8/26/2020												
0107T0151	8/26/2020												
0107T0170	8/26/2020												
0052T0440	8/26/2020												
0052T0437	8/26/2020												
0231T0691	8/26/2020												
0369T0328	8/26/2020												

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0001T0663	8/26/2020												
0116T0238	8/26/2020												
0279T1322	8/26/2020												
0219T0141	8/26/2020												
0106T0605	8/26/2020												
SC288	8/26/2020												
0067T0495	8/26/2020												
0067T0616	8/26/2020												
0103T0589	8/26/2020												
0002T2852	8/26/2020												
0001T3164	8/26/2020												
0067T0850	8/26/2020												
0642T0718	8/26/2020												
0019T0471	8/26/2020												
0019T0007	8/26/2020												
SC182	8/26/2020												
0642T0606	8/26/2020												
0009T0338	8/26/2020												
0052T0560	8/26/2020												
SC346	8/26/2020												
SC344	8/26/2020												
SC313	8/26/2020												
SC313	8/26/2020												
SC254	8/26/2020												
SC253	8/26/2020												
SC252	8/26/2020												
AC116	8/26/2020												
0043T1273	8/26/2020												
0002T3004	8/26/2020												
0568T0795	9/16/2020					0							
0568T0805	9/16/2020					0							
0569T0061	9/16/2020					0							
0569T0257	9/16/2020					0							
0569T0370	9/16/2020					0							
0569T0753	9/16/2020					0							
0457T0639	9/21/2020					0							
0457T0643	9/21/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0457T0337	9/22/2020					0							
0457T0432	9/22/2020					0							
0457T0570	9/22/2020					0							
0457T0719	9/22/2020					0							
0457T0785	9/22/2020					0							
0459T0198	9/22/2020					0							
0459T0288	9/23/2020					0							
0460T0109	9/23/2020					0							
0460T0487	9/23/2020					0.01	7.3		0	0	0	0.1	0.25
0472T0466	9/24/2020					0							
0457T0043	9/24/2020	Clear	None	Clear	None	0	8.1	6	0	0	0	0.1	0
0471T0162	9/24/2020					0							
0472T0360	9/24/2020					0							
0472T0459	9/24/2020					0							
0472T0608	9/24/2020					0							
0472T0611	9/24/2020					0							
0472T0614	9/24/2020					0							
BW340	10/2/2020					0							
BW339	10/2/2020					0							
BW341	10/2/2020					0							
BW264	10/2/2020					0							
BW342	10/2/2020					0							
0394T0131	10/2/2020					0							
0394T0110	10/2/2020					0							
0394T0378	10/2/2020					0							
0396T0056	10/2/2020					0							
0396T0259	10/2/2020					0							
0396T0248	10/2/2020					0							
WC33	10/2/2020					0							
WC34	10/2/2020					0							
0395T0296	10/2/2020					0							
0479T0830	10/2/2020					0							
0393T0084	10/2/2020					0							
BW255	10/2/2020					0							
BW257	10/2/2020					0							
BW256	10/2/2020					0							
BW327	10/2/2020					0							

	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UNI	TS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
BW316	10/2/2020					0							
BW294	10/2/2020					0							
0392T0651	10/2/2020					0							
BW318	10/2/2020					0							
0009T0952	10/7/2020					0							
0010T0068	10/7/2020					0							
OL178	10/7/2020					0							
0010T0150	10/7/2020					0							
0010T0705	10/7/2020					0							
OL179	10/7/2020					0							
0010T0419	10/7/2020					0							
0010T0414	10/7/2020					0							
0010T0403	10/7/2020					0							
0315T0074	10/9/2020					0							
BW268	10/9/2020					0							
0315T0694	10/9/2020					0							
0315T0193	10/9/2020					0							
0315T0180	10/9/2020					0							
0315T0206	10/9/2020					0							
0315T0215	10/9/2020	Clear	None	Clear	No	0.01	7.4	18	0	0	0	0.2	0.25
0315T0373	10/9/2020					0							
BW279	10/9/2020					0							
0315T0550	10/9/2020					0							
0315T0034	10/9/2020					0							
BW305	10/9/2020					0							
0389T0098	10/9/2020					0							
0472T0170	10/9/2020					0							
0562T1006	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							
	10/15/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0647T0949	11/2/2020					0							
0647T0419	11/2/2020					0							
BW309	11/2/2020					0							
BW310	11/2/2020					0							
BW312	11/2/2020					0							
BW311	11/2/2020					0							
0550T0411	11/2/2020					0							
0647T0393	11/2/2020					0							
0647T0030	11/2/2020					0							
0647T0001	11/2/2020					0							
0648T0578	11/2/2020					0							
0753T0470	11/2/2020					0							
0754T0027	11/2/2020					0							
BW345	11/2/2020					0							
BW315	11/2/2020					0							
SC382	11/3/2020					0							
SC314	11/3/2020					0							
SC315	11/3/2020					0							
SC316	11/3/2020					0							
SC317	11/3/2020					0							
0122T0419	11/3/2020					0							
0122T0412	11/3/2020					0							
SC383	11/3/2020					0							
SC319	11/3/2020					0							
0122T0423	11/3/2020					0							
SC318	11/3/2020					0							
0122T0444	11/3/2020					0							
0122T0441	11/3/2020					0							
0171T0299	11/3/2020					0							
SC320	11/3/2020					0							
SC353	11/3/2020					0							
SC352	11/3/2020					0							
BD13	11/4/2020					0							
BD14	11/4/2020					0							
BD15	11/4/2020					0							
0275T0027	11/4/2020					0							
0275T001A	11/4/2020	Clear	None	Clear	No	0.01	7.8	9	0	0	0	0.2	0.25

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	ITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0275T001B	11/4/2020					0							
0275T0009	11/4/2020					0							
0275T0006	11/4/2020					0							
SC265	11/4/2020					0							
SC266	11/4/2020					0							
SC275	11/4/2020					0							
SC274	11/4/2020					0							
0214T0239	11/4/2020					0							
SC290	11/4/2020					0							
SC289	11/4/2020					0							
SC276	11/4/2020					0							
0159T0901	11/4/2020					0							
0398T0162	11/5/2020					0							
0398T0102	11/5/2020					0							
0399T0818	11/5/2020					0							
0398T0079	11/5/2020					0							
WC32	11/5/2020					0							
0399T0821	11/5/2020					0							
0035T0844	11/6/2020					0							
0035T0844	11/6/2020					0							
0035T1046	11/6/2020					0							
0035T0609	11/6/2020					0							
0204T0208	11/6/2020					0							
0204T0201	11/6/2020					0							
0204T0035	11/6/2020					0							
0203T0969	11/6/2020					0							
0203T0669	11/6/2020					0							
SC305	11/6/2020					0							
SC341	11/6/2020					0							
0263T0065	11/6/2020					0							
0144T0112	11/6/2020					0							
0144T0102	11/6/2020					0							
0144T0061	11/6/2020					0							
BW355	11/6/2020					0							
BW356	11/6/2020					0							
0392T0570	11/9/2020					0							
0392T0581	11/9/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0392T0334	11/9/2020					0							
0392T0325	11/9/2020					0							
BW276	11/9/2020					0							
0392T0547	11/9/2020	Clear	None	Clear	No	0.02	7.7	13	0	0	0	0.4	0.5
0392T0213	11/9/2020					0							
0392T0209	11/9/2020					0							
0394T0281	11/9/2020					0							
0394T0356	11/9/2020					0							
0477T0395	11/9/2020					0							
0477T0410	11/9/2020					0							
BW343	11/9/2020					0							
0477T0416	11/9/2020					0							
0395T0196	11/9/2020					0							
0394T0914	11/9/2020					0							
BW344	11/9/2020					0							
BW265	11/9/2020					0							
0660T0552	11/10/2020					0							
0660T0515	11/10/2020					0							
0660T0516	11/10/2020					0							
0660T0548	11/10/2020					0							
0560T0016	11/10/2020	Clear	None	Clear	No	0.02	7.8	16	0	0	0	0.3	0.5
0560T0017	11/10/2020					0							
0660T0498	11/10/2020					0							
BW358	11/10/2020					0							
BW362	11/10/2020					0							
BW292	11/10/2020					0							
BW359	11/10/2020					0							
BW360	11/10/2020					0							
0561T0127	11/10/2020					0							
0562T0581	11/10/2020					0							
0561T0067	11/10/2020					0							
0561T0064	11/10/2020					0							
0561T0195	11/10/2020					0							
BW363	11/10/2020					0							
0447T0600	11/18/2020					0							
0366T0731	11/18/2020					0							
0366T0450	11/18/2020					0							

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0366T0352	11/18/2020					0							
0366T0374	11/18/2020					0							
0366T0519	11/18/2020					0							
0535T0194	11/18/2020					0							
0535T0199	11/18/2020					0							
0535T0172	11/18/2020					0							
SC388	11/18/2020					0							
0052T0429	11/19/2020					0							
OL199	11/19/2020					0							
OL198	11/19/2020					0							
0085T0176	11/19/2020					0							
OL121	11/19/2020					0							
OL123	11/19/2020					0							
OL122	11/19/2020					0							
0086T0249	11/19/2020					0							
0086Т0806	11/19/2020					0							
0196T0209	11/19/2020					0							
0145T0128	11/19/2020					0							
0145T0116	11/19/2020					0							
0145T0312	11/19/2020					0							
BW332	11/19/2020					0							
BW357	11/19/2020					0							
BW335	11/19/2020					0							
BW334	11/19/2020					0							
OL147	11/20/2020					0							
0232T0443	11/20/2020					0							
0232T0096	11/20/2020					0							
0232T0094	11/20/2020					0							
0232T0086	11/20/2020					0							
OL124	11/20/2020					0							
0297T0632	11/20/2020					0							
0297T0164	11/20/2020					0							
0297T0166	11/20/2020					0							
0297T0174	11/20/2020					0							
0297T0680	11/20/2020					0							
OL192	11/20/2020					0							
OL193	11/20/2020					0							

UNITS		COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
						cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
LIN	MITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
OL194 11/2	/20/2020					0							
0297T0094 11/2	/20/2020					0							
0001T0156 11/2	/20/2020					0							
0001T0449 11/2	/20/2020					0							
0001T1005 11/2	/20/2020					0							
0356T0478 12/	2/8/2020					0							
0356T0047 12/	2/8/2020					0							
BD22 12/	2/8/2020					0							
BD21 12/	2/8/2020	Clear	None	Clear	No	0.01	7.4	6	0	0	0	0.3	0.25
BD23 12/	2/8/2020					0							
BD34 12/	2/8/2020					0							
0356T0324 12/	2/8/2020					0							
0356T0292 12/	2/8/2020					0							
BD24 12/	2/8/2020					0							
	2/8/2020					0							
BD36 12/	2/8/2020					0							
	2/8/2020					0							
0001T0018 12/	2/8/2020					0							
SC296 12/	2/8/2020					0							
0356T0583 12/	2/8/2020					0							
BD39 12/	2/8/2020					0							
BD37 12/	2/8/2020					0							
BD38 12/	2/8/2020					0							
BD40 12/	2/8/2020					0							
0157T0107 12/	2/9/2020					0							
BD11 12/	2/9/2020	Clear	None	Clear	No	0.06	7.6	8	0	0	0	0.1	0
0349T0207 12/	2/9/2020					0							
0280T0357 12/	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							
	2/9/2020					0							

2020 Dry Weather Screenings

NODEID	DATE	COLOR	ODOR	TURBIDITY	OIL SHEEN	FLOW	рН	TEMP	CU	PHENOLS	Cl2	NH3	DET
UN	IITS					cfs		C°	mg/L	mg/L	mg/L	mg/L	mg/L
	LIMITS						6.5-9.0		0.1	1.5	1.0	2.5	1.0
0216T0981	12/9/2020					0							
0217T0424	12/9/2020					0							
0216T0852	12/9/2020					0							
0216T0969	12/9/2020					0							
0160T0266	12/9/2020					0							
0160T0090	12/9/2020					0							
SC267	12/9/2020					0							
SC272	12/9/2020					0							
SC271	12/9/2020					0							
SC270	12/9/2020					0							
SC277	12/9/2020					0							
SC306	12/9/2020					0							
SC273	12/9/2020					0							
0279T0560	12/10/2020					0							
0279T0510	12/10/2020					0							
0279T0509	12/10/2020					0							
0279T0138	12/10/2020					0							
0279T0505	12/10/2020					0							
0279T0017	12/10/2020					0							
0279T1014	12/10/2020					0							
0279T0487	12/10/2020					0							
0316T0139	12/11/2020					0							
0391T0383	12/11/2020					0							
0391T0433	12/11/2020					0							
0390T0382	12/11/2020					0							
0390T0048	12/11/2020					0							
0390T0092	12/11/2020					0							
WC26	12/15/2020					0							
0481T0261	12/15/2020					0							
WC27	12/15/2020					0							
WC29	12/15/2020					0							
WC28	12/15/2020					0							
0477T0379	12/15/2020					0							
0477T0377	12/15/2020					0							
0477T0373	12/15/2020					0							

Date Reported	Name / Company Address	Cause	Resolution
1/3/2020	Los Guachos 7370 Sawmill Road Columbus OH 43235	Lids left open on grease bin letting rain fill the bin. No frequent cleaning of bin.	Spoke with manager to have bin pumped also about better house keeping.
1/3/2020	BLD Services, LLC 2424 Tyler Street, Kenner, LA 70062	Upon arrival, we found a sheen for 1 block on Yaronia Drive North. A contractor lining lateral sewers were storing the socks for the lining process, on canvas tarps. The socks have to be lubricated, and oil residue was on the roadway.	Contractor put down oil-dry and swept it up. I contacted EPA with results. Oil did not reach MS4 or Waters Of The State. Refer to IPIR# 2001EPA0000011-I001.
1/9/2020	Unknown 4755 Ransey Ct Columbus, OH 43230	Sump pump discharge and downspout discharge draining to back of the lot and water pooling up. Water going onto other properties.	Complaint was called back in , it looks like a sewer permits issue, was put into permits backlog to inspect the work.
1/16/2020	CNC Granite 2225 Mckinley Avenue Columbus, OH 43204	Received a call from Ben Harriff/O.E.P.A./O.S.C. that CNC Granite was dumping granite dust/slurry into storm sewer. O.E.P.A. received the call from an anonymous caller.	Upon arrival, we found no signs of anything being dumped on the property or in/near a storm sewer. All saw cutting is done inside of building where all slurry goes to an underground storage tank, and
1/21/2020	Unknown West Pacemont Road & Olentangy Trail Columbus, OH 43202	Cold weather caused temperature deviation in the pond which lead to Gizzard Shad death.	Reported fish kill due to weather to O.E.P.A. also called O.D.N.R. Brad Kiger, left a voice mail.
1/22/2020	Ruter Services 1635 Owl Creek Rd, Frankfort, Oh 45628	Accident caused fuel tank to rupture, spilling fuel on the road and into O.D.O.T. convience system.	Fuel was contained in the inlet. Rustys towing and Greencharge were in charge of cleanup, directed by the O.S.C.
1/27/2020	The Crest Gastropub 2855 Indianola Ave, Columbus, Oh 43202	Restaurant was washing off the back area of their business causing soap and water to go down the back alley.	Talked to Ismail (Manager) about this not being an accepted practice. Told him to have staff sweep up into grass strip as much as possible. Gave them a copy of City code 1145.86 and Small

Date Reported	Name / Company Address	Cause	Resolution
1/29/2020	Snyder Brick and Block 3180 Valleyview Drive Columbus OH. 43204	Rick Blackmore was concerned about private inlet impacted with sediment being washed into the city's MS4.	No sediment is impacting the MS4 at this time. I rechecked on 02/06/2020 during rain event and still no sediment in MS4.
1/31/2020	Calhoon Plumbing 959 Frebis Avenue Columbus OH 43206	Work being done during wet weather . Had straw in place to catch sediment from going into city catch basin.	
1/31/2020	Bryce Bozman 1729 East Whitter Street Columbus Ohio 43206	Workers cleaned paint brushes out in ditch, just east of 1729 East Whitter Street.	Informed the porperty owner of wrong doing, had workers clean all paint from the ditch line.
2/3/2020	Belly Burger and Whisky Joint 26 North High Street Rear Columbus OH. 43215	Received this job from Complaints supervisor Mike Link. Anonymous caller complained of grease around a dumpster. Manager of restaurant said one of the employees spilled some grease when they were taking it out to the dumpster.	Capital Crossroads told manager they would clean it up. Grease did not make it to the city's MS4. The nearest inlet also goes to combination sewer.
2/3/2020	Rockford Homes 999 Polaris Parkway Suite 200 Columbus OH 43240	Contractor is bypassing, by pumping to the creek with 2 pumps with bags on both pumps. Working on storm lines.	No illicit discharge contractor has filter bags, utilizing BMPs for pumping.
2/7/2020	Hartco Cable 1401 Gorman Drive Geneseo IL 61254	B.M.P. not in place while working. Causing mud to enter MS4.	Had supervisor put out BMP. To stop flow to MS4. Clean up work area. Gave copy City code 1145.86
2/12/2020	Turkey Hill 1880 East Broad Street Columbus OH 43203	A person putting gas in his car, let it over flow 5-10 gallons of gasoline to the ground.	HEPACO was on the scene doing cleanup when we arrived. All fuel went into private storm inlet under canopy, which goes to an oil separator, then out to combination sewer. Contacted Ben Harrif with
2/12/2020	Super Chef's 1344 Cherry Bottom Road Gahanna OH 43230	Poor house keeping, grease bin was not full but there was grease dumped around the bin.	Spoke with owner about better house keeping.

Date Reported	Name / Company Address	Cause	Resolution
2/13/2020	Pizza Hut 3880 Sullivant Avenue Columbus, OH 43228	Grease interceptor overflowing into the parking lot. Overflow is not near any MS4 entrance.	Spoke with Jason Westfal from pretreatment . Contracter cleaned up, stayed on property spill did not reach City MS4.
2/21/2020	American Trademark Construction Services 200 Lau Parkway, Englewood, Oh 45315	Complaint was about tracking out along 994-987 Frank Rd area. Area coming out of construction area at 987 Frank seemed clean.	Talked to foreman and explained why we stopped. Franklin County inspects this construction site (Brooke Frusher)
2/24/2020	City of Columbus Refuse 2100 Alum Creek Drive Columbus OH 43207	A city trash truck blew a hydraulic line on it's arm, leaking fluid at several trash cans in this area.	Diego Debonis was sending someone out to do the cleanup. The truck with the blown hose was on it's way back in to get repaired. While we were at this site ,the oil was cleaned up and removed from
2/25/2020	Little Lebanon Catering 2630 Billingsley Road Columbus OH 43235	I received a call from Jeff Lyons about one of his sanitarians being at this location and noticed the grease. There was grease on the side of the building as if they cleaned out pots of grease outside.	I returned about 2 hours later to try to reach someone at this location, but was not able to. The grease on the side of the building had been shovelled up and put into bags and put into trash
2/26/2020	The SYGMA Network Inc. 2400 Harrison Road Columbus, OH 43204	SYGMA worker left fuel truck P.T.O. running unattended and the hose burst causing the tanker to leak off road diesel.	SYGMA's Environmental contractor(s) was on site working cleaning up the spill when we arrived. Crews on site: Ohio EPA, CSX and Green Charge. City of
2/26/2020	Guardian Relocation 1212 St George Rd, Evansville, IN 47711	Commercial truck parked long term in a neighborhood leaking fluids on the street causing severe staining.	Made company aware of City Code 1145.86 and the long term parking issues. Company said that they will address this issue. Follow up on 02/28/2020, truck was removed and oil staining cleaned
2/26/2020	Western Express 7135 Centennial Place, Nashville, Tn 37209	Fuel tank from semi got a hole in it causing fuel to get into private storm. Product never reached City of Columbus MS4.	Contractor was on site when we arrived. Spill was being contained and cleaned up by Nathan Davis from UST was the lead on the cleanup. IR# 2002EPA0000268
2/26/2020	Super Deal Cars 1209 North 4TH Street Columbus OH 43201	No problem found . Received A call from OEPA , about a possible leaking vehicles on site making into the storm sewer	O.E.P.A IPR26616 No spill found checked inside and outside of shop.

Date Reported	Name / Company Address	Cause	Resolution
Reporteu	Address		
3/2/2020	Unknown 6001 Roselawn Avenue Columbus, OH 43232	SMOC Supervisor Lynn Floyd called in a sheen in the stream at the end of Roselawn. We tracked the sheen back into Reynoldsburg area and was not able to confirm the cause of the sheen.	We set 1 boom to catch product in stream at Roselawn. We used 6 absorbent pads to pick up the product. Contacted Chris Holmes with OEPA with our findings. Checked back on 03/03/2020 and
3/5/2020	Complete General Construction 1221 E 5th Ave, Columbus, OH 43219	Saw Cutting on Livingston Ave with no inlet protection. Material was contained in the assets that are being removed this week for road widening project, no illicit discharge to City's MS4.	Gave them a copy of 1145.86
3/5/2020	Resident 3834 Rosette Drive Grove City, OH 43123	Received a call from Complaints Supervisor Mike Link. The van at this location is leaking a good amount of fluids into the roadway. I got no answer at this house. A neighbor confirmed the van belonged to this address.	Put down 1/2 bag of oil dry on 3/5/2020. retuned on 3/9/2020 to clean up oil dry. The resident pulled up in van while doing the cleanup. Resident stated he got the oil leak repaired. I put down
3/25/2020	Unknown 2796 Quailview Ln Hilliard, OH 43026	Complaint was that stormwater has been discharging for 6 months in curbline.	Appears to be normal groundwater discharge, field screening was normal, have had large rain events recently.
3/28/2020	Unknown 3700 Collet Court Columbus, OH 43228	Met with Michael Newman he says when water is low there is a black slime on the rocks. I took pictures and also did not see any evidence of a spill or contamination in the water or storm drains in the area. Raining off & on all day water is high.	Michael would like us to look at the creek after a few days of dry weather. Spoke to Michael Newman today 04/17/2020 he said water looks clear and he will call me if he sees anything more
3/30/2020	Unknown 3048 Valleywood Dr Columbus, OH 43223	Neighbor complained about neighbor dumping stuff into Big Run.	No evidence of dumping at this address.
4/3/2020	City Of Columbus 2100 Alum Creek Dr, Columbus, OH 43207	City trash truck blew a hydraulic line.	ERC is cleaning up the spilled oil with oil dry and washing the storm/ cleaning the drains.
4/3/2020	Samantha Barnhart 883 East Whittier Street Columbus Ohio 43206	This has been an on going problem. The issue is with the shared servic line. 879,883,889 all share this service. The problem has been found by a contractor. They are in the works to figure out who ownes all properties and split the repair bill.	Work on private shared service line will begin as soon as they figure out how to split the bill. I had the home owner stop the pumping out to the street. I checked back 4 times and still no

Date	Name / Company	Cause	Resolution
Reported	Address		
4/3/2020	Unknown 1064 South 22nd Street Columbus Ohio 43206	The report was pumping water. No pumping took place while I was here.	I took pictures of signs of previous pumping. I got no answer at their door. Checked back 4 times with no pumping and no answer at the door.
4/3/2020	Park Enterprise 560 Barks Rd W, Marion, OH 43302	Crew pumped out rain water from their work site on top of hill above path work site north of 2886 Airport Road. Crew says they had bags on the ends of hoses. There was a bag there but no pumps.	Crew said they clean off the bike path with skid-steer and broom attachment
4/6/2020	Unknown 3400 Valley Park Avenue Columbus, OH 43231	Had a complaint called in that there was soapy water coming from 3400 Valley Park Avenue, when I arrived the area was dry and clean no signs of dumping/pumping of water.	Area was dry and clean no signs of dumping/pumping of water.
4/11/2020	NGI LLC Dave trinh Owner 1465 Cordell Avenue Columbus, OH 43211	Robert Scott, tenant pumped raw sewage out of basement to the back yard.	Dave Trinh owner of NGI is getting CPR drains to come out and repair the private sewer lines. Sewage stayed on the property did not discharge into MS4.
4/12/2020	Excel Trucking LLC/ Brad Langstraat One Riverfront Plaza, 55 Campau Ave NW, Grand Rapids, MI 49505	Excel Trucking Company's driver crashed his semi truck and the fuel tank was ruptured in the crash leaking about 60 gallons of on-road diesel.	OEPA is involved along with Drew from ERC and are cleaning up the spilled diesel. All of the spilled diesel was cleaned up and affected stormwater assests also cleaned. OEPA
4/15/2020	CRD Residential 805 West City Center Drive Suite 160 Carmel IN 46032	JLG Skytrack fork lift started leaking fuel and crew kept driving it up and down the street.	CRG (Trevor Howard) admits fault and will get oil dry and brooms and clean up the area and bag up the oil dry and dispose of it property
4/17/2020	Unknown 2191 South Hamilton Road Columbus, OH 43232	Burak Ergezen (AEP) called and asked me to go and check 3 AEP vaults near Groves Road & South Hamilton Road. The New River Electric Crew on site claimed the water smelled like sewage.	Met with Brad Clemens (NRE) on site, he had his crew open AEP vaults for me to gather samples. I pulled samples from all three vaults and found 0.2 or less Ammonia in the samples. The
4/19/2020	Blas Carpet Cleaning 798 Cap Ln, Worthington, OH 43085	Resident stated that carpet cleaning company in the past have been dumping into storm sewer. No evidence seen in the area.	Put curb markers on inlets in area. Provided Blas Carpet corporate Office with our city code and carpet cleaning fact sheet.

Date	Name / Company	Cause	Resolution
Reported	Address		
4/19/2020	Jesse Roberts 1444 Pinewild Dr Columbus, OH 43223	Homeowner had car paint bombed earlier in the day, causing paint to get into curbline. Police report was done durning the day about this act of vandalisim.	Helped homeowner clean curbline with absorbent. Victim of a crime.
4/30/2020	Pro Truck Wash 4255 Roberts Road Columbus Ohio 43228	Jeff Bertacchi reported to me, he received a call from John with the EPA about this company washing vehicles outside and it may be getting into the storm line.	Pro Truck Wash has an outdoor wash pad with inlets that go to their oil/water separator and then to sanitary line. Outfall was clean. No illicit discharge.
5/5/2020	Unknown West Beechwold Boulevard Columbus, OH 43214	Reported mud in the creek coming from a pipe end. When I got to pipe end the water was already clear. Did not find anyone working or pumping in the area that comes to this pipe end.	The mud discharged ceased, was not able to identify the source.
5/11/2020	None 2nd Avenue & Lexington Columbus, OH 43211	Complaint was a car leaking oil at E 2nd and Lexington. Didn't appear to be any problems when I arrived.	NO illicit discharge found, could not located any leaking oil on the road. Delay in response was due to Covid 19 staffing issues.
5/11/2020	Envirolink 12362 Oak Ave, Bailey, NC 27807	Environlink was cleaning out stormsewer laterals, allowing mud from cleaning to backflow into the stormsewer line and out to the crekk. They had a vac-truck downstream of cleaning but plenty of wastewater was getting past it into the	Kevin and his employees will put a filter in the manhole down stream and then suck out the mud that gets trapped in the manhole before moving to the next one. NOV was issued.
5/11/2020	Unknown 2nd Avenue & Lexington Columbus, OH 43211	Looks like a unknown vehicle leaked some oil at the stop sign at 2nd Avenue and Lexington Avenue	I used a small amount of oil dry and cleaned up the oil spilled on roadway.
5/13/2020	City of Columbus Div of Water 2600 Airport Dr Columbus, OH 43219	10" water main ruptured causing severe erosion around Airport Dr.	Was turned in to leak detection on 05/22/2020.
5/14/2020	Armor Paving and Sealing 6900 americana parkway,reynoldsburg OH 43068	Vince said he was power washing his lawn mower over the storm drain. Vince also said that the striping crew unhooks their hoses for the strippers in the area of the drain. The drain is the a private drain on his property next to a dumpster.	Vince said he will not wash or unhook striping equipment over drains. Vince will clean the drains, and he is looking into building a wash bay.

Date	Name / Company	Cause	Resolution
Reported	Address		
5/14/2020	M & S Grub Hub/Empanadas and more 6460 East Broad Street Columbus, OH 43213	Some one is duping frying oil in and around the parking spot number 907 & 908 at Life storage 6460 East Broad St. In the parking spots there are food trailer parked Empanadas and More. Notified the property owner of of oil dumping in the grass area.	Life Storage hired TNT Landscaping to do the clean up. TNT Landscaping 740-391-3610
5/14/2020	Anderson Concretee INC 600 North Hamilton road Columbus, OH 43219	Looks like the earthen wall washed out in to the river due to heavy rains.	Mark said he will put together a few workers and put up a retainment barrier to stop material from getting in the river. Met with Rick Compton VP of operations on 06/2/2020, retainment wall
5/19/2020	Unknown 445 Fairlawn Columbus, OH 43214	Organic material gathers in this Bioretention Cell and when water pools and becomes stagant it begins to decompose.	Our findings were given to our Land Development Specialist Kari Hiatt to have landscape contractor clean the cell out.
5/19/2020	Unknown 945 Forest Creek Dr Columbus, OH 43223	Complaint was that creek sometimes looks discolored, like coffee with cream	No discolored discharge when I arrived, SSO has activated in the past, possible cause of discoloration.
5/21/2020	Steeple Chase Village 1552 Pine St, Columbus, OH 43217	Complaint was that sewage was being pumped into the street. No sewage in curb, just groundwater discharge from sump.	Talked to Community Manager, Towne Properties just recently brought to the community. My understanding is they are rerouting sump pumps to the curbline and trying ot idenify all private
5/22/2020	Premier Produce 3882 Agler Rd, Columbus, OH 43219	Customer didn't know where their Sanitary lateral went. They had a backup even though they did have their lateral cleaned. No illicit discharge to MS4.	Records show even though they are in Columbus, they have Franklin County as sewer provider.
5/26/2020	4359 HoneyWood Court Columbus, OH 43228	Complaint email said dumping of oil at this location.	No contact information . Noothing found in either inlets near house number given.
5/28/2020	City Of Columbus/ Refuse 2100 Alum Creek Drive Columbus Ohio 43207	Received 311 for hydraulic oil leaking from a trash truck. Upon arrival, there were no signs of oil on roadway.	No illicit discharge, was not able to confirm the complaint, no oil on the ground.

Date	Name / Company	Cause	Resolution
Reported	Address		
5/28/2020	Unknown 139 Green Springs Drive Columbus, OH 43235	Received a call about sump pump discharging constantly.	I tested discharge for chlorine and detergents. Chlorine test was 0.0 and detergents was .575. Seems to be groung water. No illicit discharg.
5/28/2020	Unknown 567 Jenkins Avenue Columbus, OH 43207	A 55 gallon poly drum was dropped in alley behind 576 Jenkins Avenue.	Ben Harriff OEPA/ OSC had a contractor remove the drum. No discharge from the drum.
5/31/2020	Iyad Abid 1949 Bayport Dr Grove City, OH 43123	Used motor oil coming from sump discharge line. I went inside on 06/01 to the home to check sump pit. Ran a field screening for detergents, .25 ppm which is normalno evidence of oil ever being in the sump.	Tennant is going to clean discharge line. ERC cleaned curb and contained oil on 05/31. Someone could of poured oil outside and infiltrated into sump line. No evidence of oil in the
6/3/2020	HP Logistics 8053 LEAD CIR APT 837 FORT WORTH, TX 76137	Fuel tank on semi ruptured causing fuel to get into our MS4.	Clean Harbors came on site to clean storm lines, fuel, and surface area. Follow u on 06/04/2020 and cleanup was finished.
6/9/2020	M.P. Dory Co @001 Integrity Drive Columbus Oh 43209	Saw cutting without proper B.M.P.	Had supervisor put proper B.M.P. In place, dandy bags, straw, soft boom. Also had them clean up the street.
6/9/2020	Jearmy Hall 5575 CoreHaven Street Westerville, OH 43081	Directional boring for spectrum cable. Drill controator hit a private forced main sewer line. Seweage went into a ditch.	Chucks septic cleaned affected area Savko Repaired froce main by connecting to gravinty trunk line. All sewage stayed in ditch was able to be cleaned up without making to waters of the state.
6/12/2020	Premy Padamadan Homeowner 3145 Winding Creek Dr Columbus, OH 43223	complaint was that sewage was coming out of garage at above address.	Homeowner had staginant rain water in a container that got tipped over. No evidence of sewage coming from house.
6/12/2020	Anthony N Damoah 1968 Hamstead Drive Columbus Ohio 43229	Drive shaft on truck broke while driving and swung and hit feul tank.	First call Enviromental Cleaned parking lot. No feul made it to inlet.

Date Reported	Name / Company Address	Cause	Resolution
6/12/2020	Stera Properties 231 E Lakeview Ave 231 E Lakeview Ave Columbus, OH 43202	Appears that contractors had rinsed out small batch concrete mixer into our MS4	Stera Properties called back, I explained city code 1145.86, They were going to come out and clean residual solids in the curbline. Material was dry and had stained the street. Storm sewer is open and
6/13/2020	Unknown Livingston Avenue & I 70	Fire dep. Called this in. OEPA was not notified.	Not sure what contractor done the cleanup, but no sign of illicit discharge at this time.
6/16/2020	Buckeye Constrution LLC 4134 Anson Drive Hilliard OH 43026	Appears this contractor washed off concrete tools in roadway, and allowed slury to run down curb to inlet.	Attemped to contact Paul Coldwell several times. Left message with no response.
6/18/2020	Unknown 4374 Stinson Drive West Columbus, OH 43214	Received a call from Ben Harriff EPA / OSC about black discharge at 0231T0691 outfall. Discharge was caused by fresh blacktop sealant of parking lot at retirement center in Upper Arlington.	I tracked discharge back to Upper Arlington. I contacted Tony, ICID for Upper Arlington. Tony tracked the discharge to the retirement center and stoped the discharge. I contacted EPA with findings.
6/19/2020	Savvas Remone LLC. 1888 East 17th Avenue Columbus OH 43219	Received complaint from Constrution Sup II about this contractor had a damaged connection to the city sewer while repairing a service line, and was pumping sediment and sewage to the street	When I arrived, they had the hole filled in and showed no signs of pumping. Looked as if the job was complete.
6/19/2020	Unknown 2239 Severhill drive Dublin, OH 43016	Received job from Aleks. Neighbor reported on the 18th, two of his neighbors were pumping chlorinated pool water out to the curb.	On the 19th when I arrived, there were no signs of anyone pumping pool water. I talked to all 4 homeowners, that have pools on this block, and passed out educational materials about city
6/22/2020	Kapish Trucking 57 Darthmouth Way, Brunswick Township ,N.J. 08902	Truck crashed and fuel tank ripped causing fuel to discharge on freeway. Stayed in ODOT curbline, didn't reach our MS4	Pro Tow was on the scene doing cleanup along with ODOT. Trevor Irwin was also communicating by phone.
6/24/2020	Unknown 1044 Loretta Ave Columbus, OH 43211	Appears that a trash can had gotten some rain in it and tipped over leaving trash juice on the street and curbline.	Call Rodney Sparks at Street Department. He sent sweeper truck to flush and sweep the street. Was completed within the hour.

Date Reported	Name / Company Address	Cause	Resolution
6/24/2020	ABM 1817 Obrien Rd, Columbus ,Oh 43228	Incident was caught on film on 06/18/2020 of employee dumping mop water into catch basin. Catch basin goes to combination sewer.	Talked to district manager on 06/25/2020 to explain. He then addressed the issue and trained employees on proper disposial. Sent email giving details.
6/26/2020	Eric Wooleys Backhoe Service 4699 Carroll Cemetary Rd, Carroll ,Oh 43112	Changing out water service line and line broke overrunning the excavation pit and going down the street till water was shut off.	Explained city code 1145.86. This was an accident and contractor was cleaning curbline when I arrived. Did final cleaning after work was done and backfill was completed.
6/29/2020	Unknown 3344 Allegheny Avenue Columbus, OH 43209	I received a call from Jeff Keener that his crew found oil in the retention basin behind 3344 Allegheny Avenue.	dye test on the floor drains in the shops at Cal's and it never came out to the retention basin. The oil was cleaned up, no active discharge, oil in the basin was absorbed and cleaned by Matthew
6/30/2020	home owner/ Jumana Thaher 2424 Stewart Hollow Court Hilliard OH 43026	Home owner's friend washed their paint brushes out over the drain not realizing where the drain leads to.	Home owner and friend cleaned the drain with brushes and rags. Only paint residue in the catch basin and the first foot or so of pipe. I went back the next day and looks like they did a good job
7/2/2020	Lesley Blevins (Renter) 1057 St Agnes Avenue Columbus OH 43204	Renter Lesley drained the old pool water out of pool to the street per Lesley	I talked to renters and told them discharging chlorinated pool water to the street is prohibited, I also informed the party of not to do it again. Gave them pool drainage handout
7/9/2020	Marcella's 1319 Polaris Parkway Columbus Oh 43240	No discharge found	Checked all around address nothing found areas was very clean. All FOG paperwork up to date.
7/13/2020	Unknown 4374 Stimson Drive Columbus, OH 43214	Appears that someone washed out paint brushes ealier causing about 30 feet of open channel to be discolored. Sampled outfall 0231T0691 and discharge from pipe appeared to be clear.	Looked upstream for any evidence of discharge. Sewershed was flushed by the time we got there.
7/14/2020	City Of Columbus / Water 910 Dublin Road Columbus OH 43215	Received call from EPA/ OSC Ben Harriff about Adena Brook Flowing milky white.	Tracked back to Maize Road just south of Cook Road. Founf a water leak on a 12" main. Repoted info back to EPA.

Date Reported	Name / Company Address	Cause	Resolution
1	114414		
7/16/2020	EWI 1250 Arthur Adams Dr, Columbus, Oh 43221	Company spilled drum of Acu Lube at dock. Greencharge was contractor hired to do cleanup. All drainage is Ohio State ownership to state waters.	Spill was contained on site. Kent Halloran from Ohio State was directing cleanup with Greencharge.
7/17/2020	Kokosing Construction Company Inc. 6235 Westerville Road Westerville OH 43081	I received an email about kokosing washing roadway with water truck, into unprotected inlets. When I showed up, the water truck was driving across Parsons Ave., heading East on Mooberry washing mud from roadway into storm inlet on the North East	I spoke with Kokosing senior Superintendant Scott Beveridge about the complaint. Mr. Beveridge stated they did not wash Parsons Ave. South of Mooberry. These are the inlets the
7/20/2020	Unknown 46 East Maynard Columbus, OH 43202	Complaint was that someone was working on truck letting fluids go down the street.	No oil or fluids were found on street at the time of visit. No violation.
7/21/2020	City of Columbus Hap Creamen 4262 Morse Rd, Columbus, Oh 43230	Slurry line ruptured during construction in the area of the line. O.E.P.A. and E.R.C. are at site doing cleanup.	E.R.C. is cleaning street and stream. S.M.O.C. came out and cleaned our MS4 to Alum Creek.
7/22/2020	Team Fishel 1600 Walcutt Road Columbus OH 43228	Traffic accident was the cause of this spill. Fishel dump truck heading north on Hampton, turning West on Main. A car hit the dump truck on the drivers side, rupturing the fuel tank.	Team Fissel contacted ERC for cleanup. Spill did go into the stormline, but did not reach the outfall. ERC cleaned up roadway and cleaned inlet and stormline.
8/6/2020	Colleen Smitley 2066 Parkwood Avenue Columbus Oh 43219	Odor in or around ditch. All Test run nothing found. Spoke to Jeff Lyons about homes that are on spictic tanks.	Columbus Health Department Jeff Lyons Found power is not on to the aeretion system they have 2 weeks to correct the problem.
8/12/2020	Shelly and Sands 1515 Harmon Ave, Columbus, OH 43223	There was no discharge when checked . Any problem had been cleaned up and fixed before I went out and checked	There was no discharge when checked. Any problem had been cleaned up and fixed before I went out and checked.
8/13/2020	Commons Of Canal Winchester Apartments 6300 Refugee Road Canal Winchester OH 43110	The pond sample I took was within all parameters from field test. This pond has 4 incoming pipes from all private stormlines and no outgoing pipe. This retention basin and all stormlines are the apartments responsibility.	Took large amber jar to lab for testing per management.

Date	Name / Company	Cause	Resolution
Reported	Address		
8/18/2020	Unknown 1310 Pierce Avenue, Columbus, OH 43227	Received complaint about neighbor dumping something in the storm inlet infront of 1310 Pierce Ave.	Upon arrival, there were no signs of dumping. No illicit discharge to city MS4.
8/19/2020	Unknown 3711 Fountain Cove Lane Grove City, OH 43123	Reciver complaint about fish kill at 3711 Fountain Cove Lane from OEPA.	I met with ODNR officer Matt Teders at this location. After contacting company that treats this pond, it was determined the fish kill was due to temperature change and not chemicals.
8/20/2020	Unknown 4059 Fulton Street East Columbus, OH 43205	Recived Complaint about 4059 Fulton St. pumping wastewater from sump pump for 3-4 years.	Upon arrival, there were no signs of sump pump even running. No signs of any wastewater being pumped out. No illicit discharge to MS4 at this time.
8/25/2020	Stone Hinge + Little Turtle 147 N High St, Gahanna, OH 43230	Spraying water to clean dirt off roadway instead of sweeping roadway.	Had worker Craig Camble stop spraying road and informed of city code 1145.86
8/25/2020	Unknown 1380 Manchester Aveune Columbus, OH 43211	Metal drain pipe with water setting in it and dripping out looks to be rusty water.	downspout drain Legal discharge
8/26/2020	Anheuser-Busch 700 Shrock Road Columbus, 43229	leaking Flange	The Maintenance crew shut down the line and made a temporary repair until the new part gets in next week. I followed up on Friday and the Temporary repair was holding and the area was
8/27/2020	City Of Columbus 3500 Indianola Avenue Columbus, OH 43214	Ground water in the pipe after testing all test come back with no signs of foreign matter.	Pipe should be televised to see if any broken pipe is causing excess infiltration in line
9/1/2020	Certified Oil / HEPACO 4601 Homer Ohio lane Groveport OH. 43125	Semi truck driver over flowed fuel tank.	HEPACO was already clening spill when we arrived. Fuel did make it to the private retention basin on this property, but did not reach the city MS4 or Waters of the State

Date Reported	Name / Company Address	Cause	Resolution
9/9/2020	Lisa south home owner 790 Harwood Columbus, OH 43228	Lisa's husband (Mike) hooked hose up to pool to drain pool for the season	Lisa removed the hose from the street and put in her yard. She also said she will let the water in pool set a few days and test water for chlorine/ Chemicals next time before dumping to the city drains.
9/9/2020	AEP N Front St, Columbus, OH 43215	Contractor hit AEP line causing Mineral oil to leak out in to the ground.	Storm water was called out for mapping help Also called pretreatment Jason to inform them of the oil in sewer.
9/9/2020	Mid- OHIO Utilities 2294 East Main Street Lancaster OH 43130	looks like they dumped part of a load out of a vac-truck, per Jonathan a cap came off of the vac-truck spilling mud and muddy water on the parking lot and it ran into the alley.	Crew swept the muddy water off to the side of road will come back with vac-truck to clean road and side of road and gravel lot. Jonathan Beard says he will clean the area, & put down new stone in
9/9/2020	Unknown 3989 Briggs Road Columbus OH 43228	Looks like some one pumped muddy rain water out of footers for garage into the street at 3989 Briggs Road.	Left note and card on door for them to call me and to clean the curb. muddy water did not make it to storm sewer but did to the curb line.
9/13/2020	DN Trucking 17544 Ralphs Ranch Rd, San Diego, Ca 92127	Semi Truck crashed, ripping hole in saddle tank causing fuel to get into O.D.O.T. assets	CCTR and Pro Tow doing cleanup that's being coordinated by Dave Saxor from O.D.O.T.
9/15/2020	Universal Auto Parts 1061 Mckinley Ave, Columbus, Oh 43222	2 alarm fire at business. Ther was some runoff from diluted hydrocarbons into our MS4. Fire fighting activity was done when we arrived.	Checked outfall downstream and didn't see any fuel in river.
9/16/2020	City of Columbus Refuse 2100 Alum Creek Drive Columbus OH 43207	Recived complaint about thash truck leaking trash juice the day before I recived this complaint.	Trash juice was dry and staining roadway in front of 2680 N. Fourth St. I contacted streets department to send sweeper to remove, Per Jeff Cox Email.
9/18/2020	Unknown 327 East New England Avenue Worthington, OH 43085	No discharge from City of Columbus at this time.	

Date	Name / Company	Cause	Resolution
Reported	Address		
9/18/2020	Hampton Woods Apartments 2819 East Dublin Granville road Columbus OH. 43231	Muddy water entering Minerva Park lake.	Hampton Woods had a private water leak which pushed mud into the retention basin. Contractor made repair to water line and cleaned mud from basin. No further discharge.
9/22/2020	Battelle 505 King Avenue Columbus OH 43201	Battelle had a forklift blow a hydraulic hose and lost 1 Quart of oil near inlet.	Battelle made repair to forklift and cleaned up oil.
9/23/2020	Jackie Rollins 841 Greenfeild Drive Columbus Ohio 43223	Private pump Station having blockage casuing upflowin grass area	Spoke with Jackie Rollins about clean up of the grass area that was covered in sewage. Waterworks was on site to fix pump station this will stop upflow.
9/24/2020	Unknown 3514 Oaklawn Street Columbus, OH 43224	looks like possible Herbicide drift that kill her plants, we did not see any trace of water or any illicit discharge of sewers or other contaminants in the area.	Matthew Claypool gave Rebecca Messer the phone number to the Ohio state extension office in Franklin County
9/29/2020	Unknown 815 Hudson Street Columbus, OH 43211	Received call from EPA about antifreeze in the rear of 815 Hudson.	Small amount of antifreeze was in the alley behind 815. No cars near by. Cleaned up antifreeze with small amount of floor dry. Discharge did not make it to the MS4.
10/16/2020	Epic Fiber 2613 Sawbury Bulivard Columbus OH. 43235	Directional boring crew released mud on ground when pulling machine back. Mud went into inlet and down the road to another inlet. No BMP's were in place on inlets.	Crew is coming out to clean up street and storm sewer. I checked back on next work day and all mud was cleaned up in roadway and storm sewer.
10/18/2020	Fiber One 950 S Powerline Rd, Unit 448, Deerfield Beach, Fl 33442	Company hit C.O.C. force main while doing directional boring. Ditch line is O.D.O.T. Not City MS4	Company is paying a company (Travco) to fix line, Company contained in ditch line and had contractors clean the area.
10/21/2020	Lore Grey 1170 Discovery Drive Columbus Ohio 43085	Owner drained there pool or had the water hose from the pool to the city catch basin	No pumping was going on when checked area but the water hose was still laid out and end of the hose was still in the city catch basin.

Date Reported	Name / Company Address	Cause	Resolution
10/23/2020	Unknown 425 Hosack Columbus, OH 43207	Complaint was about putrid smell in the area and wanted to see if it was MS4 related. No odor at time of arrival.	Ran dry weather screening at 0039T0465. Tested normal and no smell.
10/23/2020	Directional Bore 5536 Mills Road Ostrander OH. 43061	Received a call from Fred Garrett about a boreing company releasing mud into roadway and storm inlet.	Upon arrival the mud appears to be coming from a water main break near the bore machine. The City of Columbus, division of water is already aware of the break. The city had a posted sign
10/23/2020	Blake Construction 265 W Main St, Plain City, Oh 43064	Complaint was company was dumping concrete into storm sewer. No dumping had occurred when we arrived.	Gave them a copy of City Code 1145.86, explained to them to keep up on their housekeeping while they are doing remodel at address.
11/5/2020	Unknown 6393 Sea Level Drive Westerville, OH 43081	Looks to be a dump truck had dumped a load of gravel when doing so hydraulic oil is now all over road way and curb line.	When found the oil on roadway had already soaked in due to receiving call days after problem had happened. Put down oil dry and left over the weekend to soak up and clean up any excess oil.
12/4/2020	Unknown 18 N Nelson Rd /Nelson / E Broad Columbus, OH	On 12/03/2020, citizen noticed a white milky substance in Alum Creek at Nelson Rd and East Broad. Did not report till following day.	Creek was clear upon arrival, no visible discharge and called citizen to explain my findings.
12/14/2020	Spiniello 3500 E Biddle St, Baltimore, Maryland 21213	Bypas pumps for sanitary line was leaking causing sewage to get onto ground. Nothing reached our MS4 or waters of the state.	Follow up on 12/15/2020. Pump system was fixed and area was cleaned up.
12/14/2020	Take 5 Oil Change 4844 North High Street	Pump Malfunction cause oil to leak on the floor in October of this year.	Crew at Take 5 Oil Change cleaned up the oil and put it in the waste oil tank. & fixed the pump.
12/22/2020	Base Line NXC LLC 3101 New Haven Ave Ft. Wayne IN 46803	Subcontractor doing work for Base Line NXC LLC Simplicity Contracting INC. 161 Harrow Gate Drive Carmel 46033 317-670-5509 did not prevent their drilling mud /gel from getting in to the storm sewer system and	Base Line NXC LLC will vacuum up and clean the storm sewers and rocks at Alum Creek

28 JAN 2020 08:17 AM

Service Request No.

2000076



Address:4252 OAK MILL DR

Created Date: 01/02/2020 09:06 AM

Suite: 0203

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YMSS - Main Sew er Stop

Problem Description: DIST 203--SUMP PUMP IS RUNNING CONSTANTLY. PLEASE CHECK SANITARY AND STORM. NO

ONE HOME. PLEASE LEAVE NOTE ON DOOR OF FINDINGS

Requested Date:

Crew:VERS1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 01/02/2020 11:41:31AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

State:

REPORTED BY

Name: GUZZO, JOHN

Call Back: N

Address:

Suite:

City:

Zip:

Work Phone: (614) 588-6362

Ext:

Home Phone:

28 JAN 2020 08:17 AM

SERVICE REQUEST REPORT

Service Request No.

2000076



Created Date: 01/02/2020 09:06 AM

CLOSEOUT INFORMATION

Start: 01/02/2020 09:11 AM	Finish: 01/02/	Finish: 01/02/2020 11:39 AM	
Failure: YNCF	Repair: YNFWN	Further Actio	n:YNFAN
, , ,	failure, the _8_ inch sanitary and when checked. Checked upstre 65 Tenant was notified of fin	eam manholes #s0412	e ,
Inspected By:verhage/payne		Date: 02-JAN-	-20
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 06-JAN-	-20

SPECIFICATIONS

D: 2000003	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
Seq. No	Attribute	Value
5	CHECKED FROM STRUCTURE #	
10	CHECKED TO STRUCTURE #	
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	
35	CAUSE = OTHER	
40	CAUSE = UNKNOWN Y	
45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR#	
90	STRUCTURE OVERFLOWED#	
95	MH#-UPSTREAM OF BLOCKAGE	
100	MH#-DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP A DDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

28 JAN 2020 08:21 AM

Service Request No.

2000149



Created Date: 01/03/2020 12:04 AM

WORK LOCATION

Address:1570 KOEBEL RD

Cross Street:

City:

State:

Zip:

Suite: 0066

Service Request TypeINVESTIGATE

Problem Code: YWIB - Water in Basement (drain backup).

Problem Description: DIST # 66 - CITIZEN REPORTS HER SUMP PUMP CAN'T KEEP UP WITH THE WATER COMING IN.

Requested Date:

Crew:SMIC

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

State:

WO/Task No:

Finished Date: 01/03/2020 01:38:29AM

CUSTOMER INFORMATION

Customer ID:

Name:

Work Phone:

Ext:

Bill Customer: N

Customer Call Back: N

Home Phone:

Company:

Tax ID:

REPORTED BY

City:

Work Phone: (614) 512-6111

Name: HARPER, LISA

Address:1570 KOEBEL RD

Ext:

Call Back: N

Suite: 0066

Zip:

Home Phone: (614) 409-9363

28 JAN 2020 08:21 AM

Service Request No.

Created Date: 01/03/2020 12:04 AM

2000149



CLOSEOUT INFORMATION

SPECIFICATIONS

D: 2000011	Category: DOSD WORK DAT Type: SMNT_EVE	ENT Title: WIB - MSS AND SSO - CSO DATA
Seq. No	Attribute	Value
5	CHECKED FROM STRUCTURE #	
10	CHECKED TO STRUCTURE#	
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	
35	CA USE = OTHER	
40	CAUSE = UNKNOWN Y	
. 45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR #	
90	STRUCTURE OVERFLOWED#	
95	MH# - UPSTREAM OF BLOCKAGE	
100	MH#-DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP A DDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

Oracle

28 JAN 2020 08:22 AM

Service Request No.

2000227



WORK LOCATION

Address:71 AVONDALE AVE

Created Date: 01/03/2020 04:52 PM

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YFLOOD - Flooding, surface water.

Problem Description: . CALLER SAYS THERE ARE LEAVES PILED AT THE CURB HERE THAT IS CAUSING THE STREET

TO FLOOD WHEN IT RAINS REALLY HARD. SHE FEELS THE LEAVES ARE BLOCKING THE

DRAINS, PLEASE CHECK, THANKS.

Requested Date:

Crew:WALE2

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: CRLESLIE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 01/03/2020 06:50:07PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Tax ID:

Company:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Suite:

Address:

City:

State:

Zip:

Work Phone:

Ext:

Ext:

Home Phone:

28 JAN 2020 08:22 AM

Service Request No.

Created Date: 01/03/2020 04:52 PM

2000227



CLOSEOUT INFORMATION

Start: 01/03/2020 05:30 PM	Fini	sh: 01/03/2020 07:00 PM	Completed:
Failure: YPDBINSP	Repair:	Further Action:	YNFAN
Comments: Storm inlets at Avondale an	nd State st wiere o	open and flow ing at time of inspection	າ.
Inspected By:Epw alters & Alroberts		Date: 03-JAN-20)
Signoff By:	William I	Date:	
Closed By: JOHNSON, FRED L		Date: 03-JAN-20)

28 JAN 2020 08:23 AM

Service Request No.

2000328



Created Date: 01/06/2020 09:22 AM

WORK LOCATION

Address:1064 AFTON RD

Cross Street:

City:

Suite: 0174

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: OK TO CLOSE WHEN WORK ORDER IS FINISHED. Shattuck Ave and W North Broadway. ON-LINE

REQUEST. The city sew er is backing up and putrid w ater is flow ing steadily through a manhole cover. It is flooding the easement and our backyard. There is a vary old, city ow ned silver maple nearby that may be a contributing factor. I believe this to be a sanitary issue, in any regard, it does not smell pleasant.

Please fix it soon. (rear of property)

Requested Date:

Crew:SMIC

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Call Back Ready: N

Status: WORK ORDER

Customer Call Back: N

WO/Task No: 2000623/01

Finished Date: 01/06/2020 10:55:18AM

CUSTOMER INFORMATION

Customer ID:

Name:

Ext:

Bill Customer: N

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Law ver, Lari

Address: 1064 AFTON RD

City: COLUMBUS

Work Phone: (614) 459-4954

Ext:

Call Back: 0

Suite:

State: OH

Zip: 43221

Home Phone:

Service Request No.

Created Date: 01/06/2020 09:22 AM

2000328



)	LC	S	E	O	u	Т	IN	J F	EC	R	IV	1Δ	T	O	N	ı

Start: 01/06/2020 09:30 AM Failure: YMHOG		Finish: 01/06/2020 11:0	00 AM	Completed: Y
		Repair: YJETTED	Further Action:YCCT	n:YCCTV
Comments:	manhole # _0174S0407 a overflow ing at time of arriva by: G. BLACKBURN and c Signs and door hangers we public. The site and sew er v roots / SSO/CSO email notif REAR OF 1064 AFTON RD	ary sew er w as stopped up w hen c nd dow nstream manhole #_0174S0 al. The sew age w as contained in are overflow ended at _10:45AM Joh are placed at _REAR OF 1064 AFTON w ill need to be cleaned via attached ication sent. NEED TO T.V 8INCH SA O SEWER OPEN FROM 0174S0403 TO	0403 Manhole # _017 ea on ground. Sew er w n Rubadue w as notified N RD and the site w a Work Order number. Ca .NITARY FROM 0174S0	74S0407 w as found as opened with / Vacto by _MIKE LINK s secured from the ause of overflow w as 407 TO 0174S0403
nspected By:	: SMITH/STEWART		Date: 06-JAN-20	
Signoff By	•		Date:	
Closed By:			Date:	

DOCUMENTS AND PROCEDURES

Document ID	Document Type	Status	Revision	Last Update Date
311-106967	DOCUMENT	CREATED		

SPECIFICATIONS

ID:	2000042	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE #	0174S0407
	10	CHECKED TO STRUCTURE#	0174S0403
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	YES
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
ł	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VAC R=ROD H=HAND	VACTOR
	50	TENANT WATER DRAINED Y	TENANT DID NOT HAVE WATER
	55	TENANT NOTIFIED?	YES
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	0174S0407
	80	TV TO #	0174S0403
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED #	0174S0407
	95	MH# - UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

28 JAN 2020 08:29 AM

Service Request No.

2000639



Created Date: 01/09/2020 03:00 PM

WORK LOCATION

Address:4755 RANSEY CT

Cross Street:

City:

Suite:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: END OF BLOCK; ALONG WEST SIDE OF TOWNHOUSE NEAR REAR. PIPE STICKS OUT OF

GROUND, V. ON-LINE REQUEST, RESIDENT HAS INSTALLED WITHOUT A PERMIT A DISCHARGE WATER LINE FROM HOUSE FROM UNKNOWN SOURCE THAT CONSTANTLY DUMPS OUT SIDE OF SOUTHWESTERN REAR CORNER (SEWAGE???) - SPILLING WATER ONTO ADJACENT PROPERTY

AND INTO CITY ROW. THIS IS ILLEGAL PER CITY STORMWATER CODES

END OF BLOCK; ALONG WEST SIDE OF TOWNHOUSE NEAR REAR. PIPE STICKS OUT OF

GROUND. V

Requested Date:

Crew:

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: MLODA CHOWSKI

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 01/10/2020 02:15:26PM

CUSTOMER INFORMATION

Customer ID:

Name:

Bill Customer: N

Customer Call Back: N

Work Phone: Company: Ext:

Home Phone:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Address:

State:

Suite: Zip:

City: Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 01102020-1

28 JAN 2020 08:29 AM

Service Request No.

Created Date: 01/09/2020 03:00 PM

2000639



CLOSEOUT INFORMATION			
Start: 01/10/2020 10	:00 AM	Finish: 01/10/2020 11:30 AM	Completed:
Failure:	Repair: _	Further Actio	n:
		POTENTIAL ILLICIT DISCHARGE. Refer to	
Inspected By: LINK		Date: 09-JAN-	20
Signoff By:Lamb		Date: 10-JAN-	20
Closed By: LAMB, ROBER	TF	Date: 10-JAN-	20
CALL HISTORY			
Call No: 2		Call Date: 01/09/2	020 03:00:46PM
Comments: . BASED ON R PERMIT TO SE	ESPONSE, SR TYPE HA WER/MISCELLANEOUS	S BEEN CHANGED FROM BUILDING IMPR	OVEMENTS WITHOUT
Response:STATUS UPDA	\TE		
Call Back: N Date:			
Caller Name:			
Caller Phone:	Ext:		
Call No: 1		Call Date: 01/09/2	020 03:00:36PM
Comments: Service reques SEWER/MISCE	st type w as changed fro LLANEOUS	om BUILDING IMPROVEMENTS WITHOUT	PERMIT to
Response: New SR Type			
Call Back: N Date:			
Caller Name:			
Caller Phone:	Ext:		

28 JAN 2020 08:26 AM

Service Request No.

2001558



WORK LOCATION

Address:1021 HAGUE AVES

Created Date: 01/23/2020 08:01 AM

Suite: 0075

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST # 0075. THERE IS BUNCH OF LEAVE INSIDE THE SEWER DRAINS IN FRONT OF THE HOUSE

Requested Date:

Crew:ENGS1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BRMA RTINEZCOLON

Call Back Ready: N

Status: WORK ORDER

Customer Call Back: N

WO/Task No: 2002587/01

Finished Date: 01/27/2020 07:34:56AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Tax ID:

Company:

REPORTED BY

Name: DAVIS, MIKE

Call Back: 0

Address: 742 S HIGH STREET

Suite:

City: COLUMBUS

State: OH

Zip: 43206

Work Phone: (614) 299-2034

Ext:

28 JAN 2020 08:26 AM

Service Request No.

Created Date: 01/23/2020 08:01 AM 2001558



CLOSEOUT INFORMATION

Start: 01/23/2020 09:30 AM	Finish: 01/23/2020 10:	20 AM	Completed: Y
Failure: YDIRTY	Repair:	Further Action:YCLE	AN
Comments: YCBB1 - The catch basin (# vactored out.	# 0075T0505) (12" T) in front of 102	1 S. Hague Ave. needs	to have the debris
Inspected By:Engle / Walters		Date: 23-JAN-20	
Signoff By:	The state of the s	Date:	
Closed By:	The state of the s	Date:	····

11 FEB 2020 07:44 AM

Service Request No.

2001817



WORK LOCATION

Address: EBROAD ST

Created Date: 01/27/2020 10:04 AM

Cross Street: MEIJER DR

City:

Suite: 0562

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST. #0562. Storm drain directly in front of first fire hydrant north of East Broad St. on Meijer Dr. is

clogged? Road was more flooded than picture shows.. ON-LINE REQUEST.

Requested Date:

Crew:BOYM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Name:

Finished Date: 01/27/2020 10:59:42AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0 Suite:

Address:

City:

State:

Zip:

Work Phone:

Ext:

11 FEB 2020 07:44 AM

Service Request No.

Created Date: 01/27/2020 10:04 AM 2001817



CLOSEOUT INFORMATION

Start: 01/27/2020 10:45 AM	Finish: 01/27/2020 11:0	Completed: Y	
Failure: Y NCF	Repair: YNFWN	Further Action:YNFA	N
Comments: YNCF- INLETS AT THE ABO	VE LOCATION ARE PRIVATE PER GIS	S.	
f .			
Inspected By: MBOY D/TMOORE		Date: 27-JAN-20	
Signoff By:		Date:	-
Closed By: LINK MICHAEL A		Deter 20 IAN 20	

DOCUMENTS AND PROCEDURES

Document ID	Document Type	Status	Revision	Last Update Date
311-107713	DOCUMENT	CREATED		

28 JAN 2020 08;27 AM

Service Request No.

2001831



Created Date: 01/27/2020 11:00 AM

Ν	O	R	Κ	L	O	С	Α	T	IO	N	

Address:1423 MANCHESTER AVE

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: MEDINA. ON-LINE REQUEST. LEAVES CLOGGING THE GUTTERS AND STORM SEWER CATCH

BASIN ALONG THE 1400 BLOCK OF MANCHESTER FROM MEDINA

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

28 JAN 2020 08:27 AM

Service Request No.

Created Date: 01/27/2020 11:00 AM

2001831



CLOSEOUT INFORMATION	N		
Start:	Finish:		_ Completed:
Failure:	Repair:	Further Action:	
Comments:			
•			
Inspected By:		Date:	
Signoff By:		Date:	-
Closed By:		Date:	
Call No: 2		Call Date: 01/27/2020 1	1:00:39AM
Comments: SEE NEW SE	RVICE REQUEST FOR SEWERS.		
Response: NO CAUSE F	OR ACTION - CLOSE SR		
0.45 1 1 5			
Call Back: N Date: Caller Name:			
Caller Phone:	Ext:		
	Ext.		
Call No: 1		Call Date: 01/27/2020 1	
SEWER/MISC	est type w as changed from REQUEST I ELLANEOUS	FOR STREET SWEEPING/CLEANI	NG to
Response:New SR Type	•		
Call Back: N Date:			
Caller Name:			
Caller Phone:	Ext:		

28 JAN 2020 08:28 AM

Service Request No.

2001848



WORK LOCATION

Address:2855 INDIANOLA AVE

Cross Street: CRESTVIEW RD

Created Date: 01/27/2020 01:02 PM

City:

Suite: 0127

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: DIST--127-- CITIZEN CALLED AND SPOTTED SOMEONE DUMPING CEMICAL LIKE SUBSTANCE IN

THE ALLEY BEHIND THE CREST GASTRO PUB HEADING TOWARDS THE SEWER. DISPATCHER

NOTIFED BOB LAMB IN STORMWATER.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 01/27/2020 01:22:42PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: A NONY MOUS CALLER

Call Back: N

Address:

Submitted by: RFLAMB

Suite:

City:

State:

Zip:

Work Phone: (614) 582-3705

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 01272020-1

28 JAN 2020 08:28 AM

Service Request No.

Created Date: 01/27/2020 01:02 PM

2001848



			TION

Start: 01/27/2020 01:22 PM	F	Finish: 01/27/2020 02:10	0 PM	Completed: Y
Failure:	Repair:		Further Action:	
Comments: Refer to S.R.M.S. report 012	272020-1			
Inspected By:Lamb			Date: 27-JAN-20	
Signoff By:Lamb			Date: 27-JAN-20	
Closed By: LAMB, ROBERT F			Date: 27-JAN-20	

SPECIFICATIONS

ID:	2001008	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE#	
	35	RECEIVING WATERWAY?	

11 FEB 2020 07:47 AM

Service Request No.

2001942



Created Date: 01/28/2020 04:06 PM

WORK LOCATION

Address:1451 NORTHWEST BLVD

Suite: 0026

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YWIB - Water in Basement (drain backup).

Problem Description: DIST #26 - PROPERTIES FROM 1445 TO 1451 ARE EXPERIENCING A BACKUP. LANDLORD IS

THERE AND WORKING ON IT.

Requested Date:

Crew:WALE2

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: A DKINS, MELINDA L

Status: WORK ORDER

Call Back Ready: N

Customer Call Back: N

WO/Task No: 2002754/01

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

.....

. ----

REPORTED BY

Name: LOLLA, HOYT

Call Back: N

Address:1451 NORTHWEST

Suite: 0026

City:

State:

Zip:

Work Phone: (614) 565-3417

Ext:

Ext:

11 FEB 2020 07:47 AM

Service Request No.

Created Date: 01/28/2020 04:06 PM

2001942



:	E	റട	FC	M.	T II	JF	OR	NAZ	TI	\cap	N
,	-	-	_ \	,,	1 11	A L .	-	INI	\ I I	v	IV

Start: 01/28/2020 07:30 PM	Finish: 01/28/2	2020 10:30 PM	Completed:
Failure: YSTOP	Repair: YJETTED	Further Action	on:Y REPAIR
0026s0335. Sew er w as	urred betw een upstream manhe	ole # 0026s0334 and do n Clark and tenant's w a	on w as stopped up w hen ow nstream manhole # ter drained. Cause of stoppage
Inspected By: Epw alters & Alroberts		Date: 28-JAN	-20
Signoff By:		Date:	
Closed By:	1.0000	Date:	

SPECIFICATIONS

ID:	2001058	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE #	0026s0331
	10	CHECKED TO STRUCTURE#	0026s0334
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	у
	45	OPEN V=VAC R=ROD H=HAND	V
	50	TENANT WATER DRAINED Y	y
	55	TENANT NOTIFIED?	у
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
ŀ	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED #	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH#-DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED A REA?	
	110	SUMP PUMP ADDRESS	
ł.	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

26 JAN 2021 09:08 AM

Service Request No.

2001921

2001921

WORK LOCATION

Address:5101 TRABUE RD

Created Date: 01/28/2020 01:07 PM

Suite: 0220

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: dist 220--CALLER FROM A THIRD PARTY SOURCE SAYS A UPS WORKER SPOTTED A SEWER

LEAK. 2ND CALL FROM DPU- DUBLIN PLANT FROM 614-645-6495 STATED THE SEWER LEAK MAY INTER INTO THE CREEK.BOTH CALL TRANSFERRED TO STORM WATER 614-645-0363. NEITHER CALL COULD NOT SAY WHERE THIS LEAK EXACT LOCATION WAS SPOTTED. THIRD PARTY WAS FROM EPA- ANTHONY ROBINSON WHO ASLO COULD NOT GIVE NO OTHER INFO

BUT AN ADDRESS.

Requested Date:

Crew:ENGS1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 01/28/2020 01:19:00PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ROBINSON, ANTHONY

Call Back: N

Address:

State:

Suite: Zip:

City: EPA

Work Phone: (614) 728-3392

Ext:

26 JAN 2021 09:08 AM

Service Request No.

2001921

2001921

Created Date: 01/28/2020 01:07 PM

CLOSEOUT INFORMATION

Start:	: 01/28/2020 01:25 PM	Finish: 01/28/2020 02:4	5 PM	Completed: Y
Failure:	: YNCF	Repair: YNFWN	Further Action:YNFI	
Comments:	betw een upstream manhole w as found to have overflow Sew er w as opened w ith a v	y sew er was found to have previous # 0220S0343 and downstream may ed and the sew age entered the stowactor by Waterworks. Mike Link was wers. This matter was referred to S	nhole # 0220S0625.M rm system at storm inle s notified by S. Engle.	lanhole # 0220S0343 et number 0220T0355.
Inspected By	:Engle / Walters		Date: 28-JAN-20	
Signoff By			Date:	
Closed By:	LINK, MICHAEL A		Date: 30-JAN-20	

SPECIFICATIONS

ID:	2001055	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTA INED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE#	
	35	RECEIVING WATERWAY?	
ID:	2001056	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE#	0220S0343
	10	CHECKED TO STRUCTURE#	0220S0625
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VAC R=ROD H=HAND	V
	50	TENANT WATER DRAINED Y	
	55	TENANT NOTIFIED?	Υ
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	

Submitted by: RFLAMB

26 JAN 2021 09:08 AM

Service Request No.

2001921

2001921

SPECIFICATIONS

Created Date: 01/28/2020 01:07 PM

ID:	2001056	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OV ERFLOWED #	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH#-DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP ADDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE#	
	130	RECEVING WATERWAY?	

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13 FEB 2020 10:20 AM

Service Request No.

2002232



WORK LOCATION

Address: N PEARL ST

Created Date: 02/03/2020 09:44 AM

Cross Street: ELYNN ST

City:

Suite: 0003

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: DIST #0003. CALLER REPORTS THERE IS A DUMPSTER AT THE SW CORNER OF N PEARL ST AND ELYNN ST THAT IS SPILLING OUT OIL AND IT IS RUNNING INTO THE SEWER. THANK YOU

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: NSCHOATE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 02/11/2020 08:12:13AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: DECLINED BY CUSTOMER

Call Back: 0

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 02032020-1

Service Request No.

Created Date: 02/03/2020 09:44 AM

2002232



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Start: 02/03/2020 10:02 AM	Fin	sh: 02/03/2020 03:00 PM	Completed:
Failure:	Repair:	Further Actio	n:
Comments: FOWARD FOR REASSK S.R.M.S. report 020320		d to DOSD Stormw ater for potentia	l illicit discharge/spill.See
Inspected By:LINK		Date: 03-FEB-	20
Signoff By:lamb		Date: 11-FEB-2	20
Closed By: LAMB, ROBERT F		Date: 11-FEB-2	20

SPECIFICATIONS

ID: 200	1273	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
Se	eq. No	Attribute	Value
5		SPILL AFFECTED AREA?	
10)	CAUSE?	
15	5	CONTAINED Y	
20)	STORMWATER NOTIFIED Y	
25	õ	EPA ON SITE Y	
30)	RECEIVING STRUCTURE#	
35	5	RECEIVING WATERWAY?	

11 FEB 2020 07:54 AM

Service Request No.

2002297



WORK LOCATION

Address:3221 BRICE RD

Created Date: 02/03/2020 04:29 PM

Suite: 0395

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: Dist.#:95 - A building (orhouse) is being built behind her house. The builder keeps leaving a pump running, which is pumping muddy water into a creek and leaving her yard soggy. She said she spoke with City Sewers and Code Enforcement, one of whom told her to call SMOC.

Requested Date:

Crew: JOHF1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: SCOTT, MARCIA R

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 02/03/2020 06:25:06PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Tax ID:

Company:

REPORTED BY

Name: Jacks, Jamilyn

Call Back: N

Address:3221 BRICE RD

Suite: 0395

City:

State:

Zip:

Work Phone:

Ext:

Ext:

Home Phone: (614) 582-9756

11 FEB 2020 07:54 AM

Service Request No.

Created Date: 02/03/2020 04:29 PM 2002297



CLOSEOUT INFORMATION

Start: 02/03/2020 03:30 PM	Finish: 02/03/2020 04	Finish: 02/03/2020 04:30 PM Completed:					
Failure: Y CNTRPROB	Repair:	Further Action:YNFA	N				
Comments: Construction work is being of customer that it is legal to do		umps to pump w ater not	t sanitary w ater. Told				
Inspected By: F.Johnson		Date: 03-FEB-20					
Signoff By:		Date:					
Closed By: JOHNSON, FRED L		Date: 03-FEB-20					

26 JAN 2021 09:11 AM

Service Request No.

2002360

2002360

WORK LOCATION

Address:1861 GANTZ RD

Created Date: 02/04/2020 02:44 PM

Suite: 0071

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: DIST #0071. EMAIL-We received a complaint this morning through our Assistant Chief, from Don Parsons

about a sew age smell at the confluence of Early Run and Scioto Big Run. Mike Gallaw ay said that Columbus has a SSO location on Early Run, so that may be the best place to start. Is this within Columbus' MS4 area? If so, could you please have someone investigate the stream for the presence of sew age and follow up with me after? Please let me know if this isn't within your MS4 area, and I will

follow up with Franklin County.

Requested Date:

Crew: GRAA1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: LINK, MICHAEL A

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 02/04/2020 07:07:12PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: RUBADUE, JOHN

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

NOTES

DESCRIPTION: S/W/C/O @ MANHOLE #'S 0071S0222 & 0071S0219. Run visual inspection of ditchline E/O Gantz Rd. S/O

2062 Gantz Rd. NOTIFY J. RUBA DUE OF FINDINGS.

SERVICE REQUEST REPORT 26 JAN 2021 09:11 AM

Service Request No.

2002360

2002360

CLOSEOUT INFORMATION

Created Date: 02/04/2020 02:44 PM

Start: 02/04/2020 03:30 PM	Finish: 02/04/2020 05:3	0 PM	Completed:
Failure: YNCF	Repair:	Further Action:YNFAI	٧
Comments: YBO2 - The 54 inch sanitary Checked upstream manhole	sew er serving the problem location # 0071S0224 and dow nstream man		yw hen checked.
Inspected By: GRASHEL/WALTERS		Date: 04-FEB-20	
Signoff By:		Date:	
Closed By: JOHNSON, FRED L		Date: 05-FEB-20	

SPECIFICATIONS

ID:	2001382	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE #	
	10	CHECKED TO STRUCTURE#	
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
1	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VACR=RODH=HAND	
	50	TENANT WATER DRAINED Y	
	55	TENANT NOTIFIED?	
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED #	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP A DDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

Submitted by: RFLAMB

26 JAN 2021 09:11 AM

Service Request No.

2002360

2002360

Created Date: 02/04/2020 02:44 PM

SPECIFICATIONS

ID:	2001382	Category: DOSD WORK DAT	Туре:	SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value
	130	RECEIVING WATERWAY?			

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

11 FEB 2020 07:58 AM

Service Request No.

2002651



WORK LOCATION

Address: 5TH AVE

Cross Street; SUNBURY RD

Created Date: 02/11/2020 07:02 AM

City:

Suite: 0031

Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: DIST # 0031 - Caller stated sanitary hole is spurring water and has a a smell.

Requested Date:

Crew:PAYJ1

Dept: SEWERMNT

State:

Area: SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Status: ACTIVE

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Dendinger, Ryan

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (419) 217-9516

Ext:

Service Request No.

2002651



CLOSEOUT INFORMATION

Created Date: 02/11/2020 07:02 AM

Start: 02/11/2020 07:11 AM	Finish:		Completed:
Failure:	Repair:	Further Action:	
Comments:			
Inspected By:		Date:	
Signoff By:			**************
Closed By:		Date:	

SPECIFICATIONS

ID:	2001544	Category: DOSD WORK DAT	Type:	SMNT_EVENT	Title:	WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value	
	5	CHECKED FROM STRUCTURE #				
	10	CHECKED TO STRUCTURE #				
	15	CAUSE = GREASE Y				
	20	CAUSE = ROOTS Y				
	25	CAUSE = DEBRIS Y				
	30	CAUSE = SURCHARGED Y				
	35	CAUSE = OTHER				
	40	CAUSE = UNKNOWN Y				
	45	OPEN V=VAC R=ROD H=HAND				
	50	TENANT WATER DRAINED Y				
	55	TENANT NOTIFIED?				
	60	WORK SEQUENCE				
	65	CLEAN FROM#				
	70	CLEAN TO #				
	75	TV FROM#				
	80	TV TO#				
	85	DESIGNED SEWER RELIEF - DSR#				
	90	STRUCTURE OVERFLOWED#				
	95	MH# - UPSTREAM OF BLOCKAGE				
	100	MH#-DOWNSTREAM OF BLOCKAGE				
	105	OVERFLOW AFFECTED AREA?				
	110	SUMP PUMP A DDRESS				
	115	SECURE 1=SIGN 2=HANGER 3=OTHER				
	120	TIME/DATE OVERFLOW STOPPED				
	125	RECEIVING STRUCTURE#				

Submitted by: RFLAMB

02 MAR 2020 07:49 AM

Service Request No.

2002738



WORK LOCATION

Address:7723 SOUTHWICK DR

Suite: 0852

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: . EMAIL RECEIVED:

Created Date: 02/12/2020 07:50 AM

I RECENTLY MOVED INTO 7723 SOUTHWICK DRIVE DUBLIN, OH 43016. SINCE I HAVE MOVED IN I HAVE NOTICED THAT MY NEIGHBORS BACK YARD HAS A LOT OF STANDING WATER. THERE IS ALSO STANDING WATER BETWEEN OUR TWO YARDS. THE SUMP-PUMP IN MY BASEMENT IS RUNNING A LOT. THE DRAIN OUT INTO THE STREET IN BETWEEN OUR TWO HOUSES ALWAYS HAS A LOT OF WATER. I WAS HOPING SOMEONE COULD CHECK THE WATER LINES/PIPES AND MAKE SURE THERE IS NO LEAK. OR OFFER OTHER SUGGESTIONS AS WHAT I SHOULD DO TO

FOLLOW UP.

Requested Date:

Crew:

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher:SJSPARKS

Status: HELD

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Link, Megan

Call Back: 0

Address: 7723 SOUTHWICK DR

Suite:

City: COLUMBUS

State: OH

Zip: 43016

Work Phone: (614) 827-5837

Ext:

Ext:

Service Request No.

Created Date: 02/12/2020 07:50 AM

CLOSEOUT INFORMATION

2002738



Start:	Finish:		Completed:
Failure:	Repair:	Further Action:	
Comments: RET	URN FOR REASSIGNMENT – Not DOSD related;	Forw ard to Division of Water	
Inspected By:LINK		Date: 12-FEB-20	
Signoff By:		Date:	TO SAFONE PROGRAMMA
Closed By:		Date:	
CALL HISTORY			
Call No: 3		Call Date: 02/12/2020 0	3:13:33PM
Comments: Ser	vice request type w as changed from STREET F	FLOODING/BLOCKED DRAINS to W	/ATER/MISCELLANEOUS
Response:New	SR Type		
Call Back: N	Date:		
Caller Name:			
Caller Phone:	Ext:		
Call No: 2		Call Date: 02/12/2020 0	7:51:06AM
	SED ON RESPONSE, SR TYPE CHANGED FROI ODING/BLOCKED DRAINS,	M WATER/MISCELLANEOUS TO S	TREET
Response: STA	TUS UPDATE		
Call Back: N	Date:		
Caller Name:			
Caller Phone:	Ext:		

02 MAR 2020 07:49 AM

Service Request No.

2002738



Created Date: 02/12/2020 07:50 AM

CALL HISTORY

Call No: 1 Call Date: 02/12/2020 07:50:55AM

Comments: Service request type w as changed from WATER/MISCELLA NEOUS to STREET FLOODING/BLOCKED DRAINS

Response: New SR Type

Call Back: N

Date:

Caller Name:

Caller Phone:

Ext:

02 MAR 2020 08:23 AM

Service Request No.

2002783

2002783

Created Date: 02/12/2020 05:54 PM

Address:1971 OAKLAND PARK AV

Suite: 0179

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YMSS - Main Sew er Stop

Problem Description: DIST #179 - NORTH - MAINTENANCE STAFF AT APARTMENT COMPLEX REPORTS A POSSIBLE

MSS

Requested Date:

Crew:ROBA2

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No: 2004425/01

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: TOWNS

Call Back: N

Address:1971 OAKLAND PARK AV

Suite: 0179

City:

State:

Zip:

Work Phone: (614) 999-3400

Ext:

Home Phone: (614) 285-8058

Service Request No.

2002783

2002783

Created Date: 02/12/2020 05:54 PM

CLOSEOUT INFORMATION

Start: 02/12/2020 06:00 PM	Finish: 02/12/	Finish: 02/12/2020 07:30 PM		
Failure: YSTOP	Repair: YJETTED	Further Act	ion:YREPAIR	
Comments: YWIB/STOPPED/OPND1 - The 8 inch sanitary sew er serving the problem location was stopped up when checked. Stoppage occurred between upstream manhole #0179S0160 and downstream manhole #0179S0034. Sew er was opened with Vactor by: Eddie Back and tenant's water drained. Cause of stopp was unknown. Tenant was notified of findings by investigator				
Inspected By: A. Roberts / A. Grast	nel	Date: 12-FE	3-20	
Signoff By:	······································	Date:		
Closed By: GRIFFITH, MICHAEL A	1	Date: 28-FE	3-20	

SPECIFICATIONS

ID:	2001673	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE #	0179S0160
	10	CHECKED TO STRUCTURE#	0179S0034
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	Υ
	45	OPEN V=VAC R=ROD H=HAND	V
	50	TENANT WATER DRAINED Y	Υ
	55	TENANT NOTIFIED?	Υ
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR#	
	90	STRUCTURE OVERFLOWED#	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH#-DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP A DDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

02 MAR 2020 08:23 AM

Service Request No.

2002783

2002783

Created Date: 02/12/2020 05:54 PM

SPECIFICATIONS

ID:	2001673	Category: DOSD WORK DAT	Type:	SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value
	130	RECEIVING WATERWAY?			

·			

02 MAR 2020 08:36 AM

SERVICE REQUEST REPORT

Service Request No.

2002800



Created Date: 02/13/2020 09:18 AM

WORK LOCATION

Address:3880 SULLIVANT AVE

Suite: 0115

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: DIST #0115. CALLER REPORTS EVERY TIME THE TOILET IS FLUSHED INSIDE IT COMES UP IN THE

PARKING LOT. CALLER STATES THERE IS A RAW SEWAGE SMELL AND THE SEWAGE ITSELF IN

THE PARKING LOT. THANK YOU

***********2/13/2020 PER ENVIRONMENTAL HEALTH " POSSIBLE SEWER LATERAL PROBLEM.

FORWARD TO SEWERS AND DRAINS"

Requested Date:

Crew:KISL1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: NSCHOATE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 02/13/2020 11:07:32AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: DECLINED BY CUSTOMER

Call Back: 0

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 02132020-1

Service Request No.

Date: _____

Date: 14-FEB-20

2002800



Created Date: 02/13/2020 09:18 AM

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Start: 02/13/2020 09:30 AM

Finish: 02/13/2020 11:00 AM

Completed: Y

Failure: YNCF

Repair: YNFWN

Further Action: YNFAN

Comments: YNCF/OPEN – Not city failure, the 8 inch sanitary sewer serving the problem location was open and flowing when checked. Checked upstream manhole # 0115s0298 and downstream manhole #0115s0293. Grease trap at above address has evidence of an over flow in to parking can not confirm or deny wether or not the grease went in to the storm sewer or ditch line do to snow and rain covering the parkinig lotP. refered to Stormwater and Pretreatment. Please refer to SRMS Investigation report 02132020-1

Inspected By: Kisner, L. Stoops, D

Date: 13-FEB-20

SPE	CIF	IC A	TIC	2MC

Signoff By:____

Closed By: LINK, MICHAEL A

ID: 2001686	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
Seq. No	Attrib ute	Value
5	CHECKED FROM STRUCTURE #	
10	CHECKED TO STRUCTURE #	
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	
35	CAUSE = OTHER	
40	CAUSE = UNKNOWN Y	
45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR #	
90	STRUCTURE OVERFLOWED#	
95	MH# - UPSTREAM OF BLOCKAGE	
100	MH#-DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP A DDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

Service Request No.

2002800



Created Date: 02/13/2020 09:18 AM

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S	ч	Ė٤	اد	H	CA	۱I	ıO	N	5

ID:	2001686	Category: DOSD WORK DAT	Type:	SMNT_EVENT	Title:	WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value	
	130	RECEIVING WATERWAY?				

CALL HISTORY

Call No: 2 Call Date: 02/13/2020 09:18:56AM

Comments: , PER RESPONSE, SERVICE REQUEST TYPE CHANGED FROM SWR TYPE FROM INSPECT

RESTAURANT/FOOD ESTABLISHMENT TO SEWER/MISCELLANEOUS,

Response: STATUS UPDATE

Call Back: N Date:

Caller Name:

Caller Phone: Ext:

Call No: 1 Call Date: 02/13/2020 09:18:52AM

Comments: Service request type was changed from INSPECT RESTAURANT/FOOD ESTABLISHMENT to

SEWER/MISCELLANEOUS

Response: New SR Type

Call Back: N Date:

Caller Name:

Caller Phone: Ext:



02 MAR 2020 07:57 AM

Service Request No.

2002888

Suite: 0068



Created Date: 02/14/2020 01:48 PM

WORK LOCATION

Address:2281 HIGH ST

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: **PRIVATE ONGOING ISSUE. CALL BACK COMPLETED. Tenant says that a man hole is under the

trailer and is smelling very bad now.

In the past it has smell too, they are in lot 16.

Requested Date:

Crew:LINM1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

WO/Task No:

Dispatcher: OPDY KE, BRET E

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

Finished Date: 02/14/2020 02:15:29PM

CUSTOMER INFORMATION

Name: Bryan, Ruttan

Customer ID:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Service Request No.

2002888



Created Date: 02/14/2020 01:48 PM

CLOSEOUT INFORMATION

Start: 02/14/2020 02:01 PM	Finish: 02/14/2020 02:1	5 PM	Completed: Y
Failure: YNCF	Repair: YNFWN	Further Action:YNFAI	N
Comments: **PRIVATE ONGOING ISSUE REFERED CALLER TO PROF		VERS ON SITE ARE PRI	VATE.
Inspected By:LINK		Date: 14-FEB-20	
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 14-FEB-20	

SPECIFICATIONS

ID:	2001945	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
1	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE#	
	10	CHECKED TO STRUCTURE#	
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VAC R=ROD H=HAND	
	50	TENANT WATER DRAINED Y	
	55	TENANT NOTIFIED?	
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED#	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP A DDRESS	
İ	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

02 MAR 2020 07:57 AM

Service Request No.

2002888



SPECIFICATIONS

Created Date: 02/14/2020 01:48 PM

ID:	2001945	Category: DOSD WORK DAT	Type:	SMNT_EVENT	Title:	WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value	
	130	RECEIVING WATERWAY?				

02 MAR 2020 08:01 AM

Service Request No.

2003527



Created Date: 02/27/2020 01:29 PM

WORK LOCATION

Address:3311 BLUHM CT

Cross Street: BLUHM RD

City:

Suite: 0074

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST 74-- POSSIBLE UP FLOW. WATER IS COMMNG OUT FROM THE GROUND IN THE REAR OF

HOUSE. SOMEONE IS HOME

Requested Date:

Crew: DAVM1

Dept: SEWERMNT

State:

Area: SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Status: FINISHED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 02/27/2020 02:13:13PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Ext:

Tax ID:

REPORTED BY

Name: LENORA

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (614) 702-8086

Ext:

Home Phone:

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

Service Request No.

Created Date: 02/27/2020 01:29 PM

2003527



CLOSEOUT INFORMATION

Start: 02/27/2020 01:32 PM	Finish: 02/27/2020 02:	10 PM	Completed: Y
Failure: YNCF	Repair: Y NOWORKFND	Further Action:YNFA	N
Comments: THE CALLERS ISSUE IS TH PLUMBER	IER SUMP PUMP. THEY WERE ADVIS	ED TO CONTACT A PRI	/ATE
Inspected By: M DAVEY S VERHAGE		Date: 27-FEB-20	
Signoff By:		Date:	
Closed By:		Date:	

25 JAN 2021 09:32 AM

Service Request No.

2003553

2003553

WORK LOCATION

Address: MCCUTCHEON RD

Created Date: 02/28/2020 07:17 AM

Suite: 0182

Cross Street; STELZER RD

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YFLOOD - Flooding, surface water.

Problem Description: DIST# 0182 - w oman reported w ater main break on Mccutcheon Rd by Stelzer Rd. YASSCLN Storm

assets.

Requested Date:

Crew:PAYJ1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/03/2020 08:09:58AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (614) 946-4723

Ext:

Home Phone:

NOTES

NOTE: DOW CALLED VIA DISPATCH. 3 PREVIOUS DOW SR'S. WORKING DOW SR 2003488.

25 JAN 2021 09:32 AM

Service Request No.

2003553

2003553

CLOSEOUT INFORMATION

Created Date: 02/28/2020 07:17 AM

Start: 02/28/2020 08:00 AM	Finish: 02/28/2020 09:0	MA C	Completed: Y
Failure: YASSTAGNCY	Repair: YNFWN	Further Action:YNFAI	N
Comments: YFLOOD/OPEN- This water	leak in road not sew ers problem. all i	nlets taking w ater .	
Inspected By: Jeffrey Payne & Mike Albrigh	nt	Date: 28-FEB-20	
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 05-MAR-20	

25 JAN 2021 09:37 AM

Service Request No.

2003699

2003699

Created Date: 03/02/2020 10:57 AM

WORK LOCATION

Address:2281 S HIGH ST

Suite: 0068

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: DIST 68. SEWAGE COMMING UP FROM UNDER THE TRAILOR HOUSE LOT 5. CITIZEN BOY FRIEND

IS HOME

Requested Date:

Crew:OPDB1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/06/2020 08:46:00AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: MRIDEO, CONNIE

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (614) 772-5123

Ext:

25 JAN 2021 09:37 AM

SERVICE REQUEST REPORT

Service Request No.

2003699 2003699

Created Date: 03/02/2020 10:57 AM

CLOSEOUT INFORMATION

Start: 03/02/2020 11:02 AM		Finish: 03/02/2020 01:03 PM		Completed: Y
Failure:	YNCF	Repair: YNFWN	Further Action:YNFA	N
Comments:	0068S2078 and found the ir city asset w as open. Private Department of Commerce pe	wer was checked at asset 0068S02'n coming the pipe from from the wese asset had lots of Greece is a privatersonal Gary Whitaker for the State of and number of people for trailer con 644-2223	t could not be seen but te problem. If Ohio arrived as we v	t the out going line to
Inspected By:	Opdyke/Davey		Date: 02-MAR-20	
Signoff By			Date:	- Constitution of the Cons
Closed By:	LINK, MICHAEL A		Date: 06-MAR-20	

SPECIFICATIONS

D: 2002742	Category: DOSD WORK DAT Type: SMNT_EV	ENT Title: WIB - MSS AND SSO - CSO DATA
Seq. No	Attribute	Value
5	CHECKED FROM STRUCTURE #	
10	CHECKED TO STRUCTURE#	
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	
35	CAUSE = OTHER	
40	CAUSE = UNKNOWN Y	
45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR#	
90	STRUCTURE OVERFLOWED#	
95	MH#-UPSTREAM OF BLOCKAGE	
100	MH#-DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP ADDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

25 JAN 2021 09:37 AM

Service Request No.

2003699

2003699

Created Date: 03/02/2020 10:57 AM

SPECIFICATIONS

ID:	2002742	Category: DOSD WORK DAT	Type: SMNT_EV	ENT Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute		Value
	130	RECEIVING WATERWAY?		

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 09:40 AM

Service Request No.

2003746

Suite: 0047

2003746

Created Date: 03/03/2020 08:33 AM

V	۷	0	R	K	L	0	С	А	Т	IC	۸C	Į

Address:2382 WESTWOOD DR

Cross Street:

City: State: Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: Flooding Street, toilet paper and debris present, water entering creek

Requested Date: Crew:BOYM1 Dept: SEWERMNT Area:SEWERS

Next Approver:

Dispatcher: FANNIN II, PAUL D

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No: Finished Date: 03/03/2020 03:03:52PM

CUSTOMER INFORMATION

Customer ID: Bill Customer: N

Name: Customer Call Back: N

Work Phone: Ext: Home Phone:

Company: Tax ID:

REPORTED BY

Submitted by: RFLAMB

Name: Chip Call Back: N

Address: Suite:

City: State: Zip:

Work Phone: Ext: Home Phone: (740) 808-0285

25 JAN 2021 09:40 AM

SERVICE REQUEST REPORT

Service Request No.

2003746

2003746

Created Date: 03/03/2020 08:33 AM

CLOSEOUT INFORMATION Start: 03/03/2020 09:00 AM Finish: 03/03/2020 10:00 AM Completed: Y Failure: YMHOG Repair: YNFWN Further Action:YRECHECK Comments: YWIBHEA DED1/RECHECK- The 8-15 inch sanitary sew er serving the problem location was headed up betw een upstream manhole # Y0046S0357 and downstream manhole # Y0046S0406 when checked due to heavy rains, reported overflow had stopped prior to arrival. Debris had washed away. Refer to YRECHECK procedure for further investigation. Tenant was notified of findings by investigator. Inspected By: MBOY D/TMOORE Date: 03-MAR-20 Signoff By:_____ Date: ____ Closed By: LINK, MICHAEL A Date: 05-MAR-20

SPECIFICATIONS

ID:	2002909	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE #	0046\$0357
ĺ	10	CHECKED TO STRUCTURE#	0046S0406
ļ	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	Υ
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VACR=RODH=HAND	
	50	TENANT WATER DRAINED Y	N
	55	TENANT NOTIFIED?	Υ
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR#	
	90	STRUCTURE OVERFLOWED#	0046s0357
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	Glen View Park
	110	SUMP PUMP ADDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	N
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

Submitted by: RFLAMB

25 JAN 2021 09:40 AM

Service Request No.

2003746

2003746

Created Date: 03/03/2020 08:33 AM

SPECIFICATIONS

Submitted by: RFLAMB

ID:	2002909	Category: DOSD WORK DAT	Туре:	SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute			Value
	130	RECEIVING WATERWAY?			Scioto River

			·	
			·	

26 JAN 2021 09:15 AM

Service Request No.

2003794

Suite: 0234

2003794

Created Date: 03/03/2020 10:11 AM

WORK LOCATION

Cross Street:

Address:1201 COOKE RD E

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: DIST #0234. (N) CALLER STATES THERE IS A RAW SEWAGE SMELL COMING FROM THE CATCH

BASIN NEAR THIS PROPERTY

Requested Date:

Crew: JOHF1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 03/03/2020 03:55:44PM

CUSTOMER INFORMATION

Customer ID:

Name:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

Call Back: 1

Suite:

REPORTED BY

Name: WILLMAN, GEORGIANNA

Address: 1201 E COOKE RD

City: COLUMBUS

State: OH

Zip: 43224

Work Phone: (614) 447-2305

Ext:

Service Request No. **2003794**

Created Date: 03/03/2020 10:11 AM

2003794

CLOSEOUT INFORMATION

Start: 03/03/2020 01:30 PM	Finish:	03/03/2020 01:49 PM	Completed:
Failure:	Repair:	Further Action	n:
Comments: YBO1 - The 12 inch sanita sew er smell at the time of		problem location was open and	I flow ing w hen checked.no
Inspected By: F.Johnson		Date: 03-MAR-	20
Signoff By:	The second secon	Date:	
Closed By: JOHNSON, FRED L		Date: 03-MAR-	20

SPECIFICATIONS

ID: 2	2002918	Category: DOSD WORK DAT Type: SMNT	_EVENT Title: WIB - MSS AND SSO - CSO DA	ATA
	Seq. No	Attribute	Value	
	5	CHECKED FROM STRUCTURE#		
	10	CHECKED TO STRUCTURE#		
	15	CAUSE = GREASE Y		
	20	CAUSE = ROOTS Y		
	25	CAUSE = DEBRIS Y		
	30	CAUSE = SURCHARGED Y		
	35	CAUSE = OTHER		
	40	CAUSE = UNKNOWN Y		
	45	OPEN V=VAC R=ROD H=HAND		
	50	TENANT WATER DRAINED Y		
	55	TENANT NOTIFIED?		
	60	WORK SEQUENCE		
	65	CLEAN FROM#		
	70	CLEAN TO #		
	75	TV FROM#		
	80	TV TO#		
	85	DESIGNED SEWER RELIEF - DSR#		
	90	STRUCTURE OV ERFLOWED #		
	95	MH#-UPSTREAM OF BLOCKAGE		
	100	MH# - DOWNSTREAM OF BLOCKAGE		
	105	OVERFLOW AFFECTED AREA?		
	110	SUMP PUMP ADDRESS		
	115	SECURE 1=SIGN 2=HANGER 3=OTHER		
	120	TIME/DATE OVERFLOW STOPPED		
	125	RECEIVING STRUCTURE#		

26 JAN 2021 09:15 AM

Service Request No.

2003794

2003794

Created Date: 03/03/2020 10:11 AM

SPECIFICATIONS

ID:	2002918	Category: DOSD WORK DAT	Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA	l
	Seq. No	Attribute		Value	
	130	RECEIVING WATERWAY?			

CALL HISTORY

Call No: 1 Call Date: 03/16/2020 08:37:09AM

Comments: , CITIZEN CALLED IN TO CHECK STATUS OF REQUEST. NOT HAPPY WITH RESPONSE STATING IT IS

SMELLING NOW. REQUESTED TO SPEAK WITH SOMEONE IN DPU. TRANSFERED CALLER. DS

Response: CUSTOMER CONTACT

Call Back: N

Date:

Caller Name:

Caller Phone:

Ext:

25 JAN 2021 09:42 AM

Service Request No.

2003759

2003759

Created Date: 03/03/2020 09:11 AM

WORK LOCATION

Address:4385 OLENTANGY RIVER RD

Suite: 0232

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YUPFLOW - Flow from ground or structure.

Problem Description: **Duplicate SEE SR #2003783

DIST #0232-(W)-FLOODING FEW DOORS DOWN FROM ADDRESS

Requested Date:

Crew:BOYM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/03/2020 03:10:36PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: MOORE, BROOKE

Call Back: N

Address:4385 OLENTANGY RIVER RD

Suite: 0232

City:

Work Phone: (415) 652-7919

Ext:

Zip:

State:

Service Request No.

2003759 *2003759*

Created Date: 03/03/2020 09:11 AM

CLOSEOUT INFORMATION

Finish: 03/03/2020 11:30 AM

Completed: Y

Failure: YHEADED

Repair: YNFWN

Further Action:YRECHECK

Comments: YWIBHEADED1/RECHECK- The 8-21 inch sanitary sew er serving the problem location was headed up

betw een upstream manhole # Y0232S0105 and downstream manhole # Y0297S0083 when checked due to heavy rains. Refer to YRECHECK procedure for further investigation. Tenant was notified of findings by

investigator.

Start: 03/03/2020 11:20 AM

Inspected By: MBOY D/TMOORE

Date: 03-MAR-20

Signoff By:_____

Date: ____

Closed By: LINK, MICHAEL A

Date: 05-MAR-20

SPECIFICATIONS

ID: 2002916	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
Seq. No	Attribute	Value
5	CHECKED FROM STRUCTURE #	S0105
10	CHECKED TO STRUCTURE #	S0083
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	N
35	CAUSE = OTHER	Υ
40	CAUSE = UNKNOWN Y	N
45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR #	
90	STRUCTURE OVERFLOWED#	
95	MH# - UPSTREAM OF BLOCKAGE	
100	MH# - DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP A DDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 09:42 AM

Service Request No.

2003759

2003759

Created Date: 03/03/2020 09:11 AM

SPECIFICATIONS

ID:	2002916	Category: DOSD WORK DAT	Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute		Value
	130	RECEIVING WATERWAY?		

		,	

25 JAN 2021 09:56 AM

Service Request No.

2003886

Created Date: 03/04/2020 08:26 AM

2003886

WORK LOCATION

Address:3476 LINDSTROM DR

Suite: 0118

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0118. CALLER REPORTS THE STORM DRAIN IN FRONT OF 3476 LINDSTROM DR IS

BLOCKED BY ACCUMULATED LEAVES, STATES THEY WATERFLOW CAUSED THE LEAVES TO PILE IN FRONT AND BLOCK THE DRAINS. DOES NOT CAUSE THE STREET TO FLOOD YET BUT

DOES BACK THE SIDE OF THE STREET UP. THANK YOU

Requested Date:

Crew:KISL1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: NSCHOATE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/04/2020 03:48:37PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Ext:

Company:

Tax ID:

REPORTED BY

Name: SCHMUTZLER, JOHN

Call Back: 0

Address: 3476 LINDSTROM DR HELEN

Suite:

City: COLUMBUS

State: OH

Zip: 43228

Work Phone:

Ext:

25 JAN 2021 09:56 AM

Service Request No.

2003886

2003886

CLOSEOUT INFORMATION

Created Date: 03/04/2020 08:26 AM

Start: 03/04/2020 01:40 PM	Finish: 03/04/20	Finish: 03/04/2020 02:00 PM		
Failure: YDIRTY	Repair: YHNDCLND	Further Action	:YNFAN	
Comments: YHNDCLEAN/OPEN-removed leaves by hand from inlet # 0118T0833 and inlet #0118T0173 . spock complaint about findings .				
Inspected By: Kisner.L, Stoops.D		Date: 04-MAR-2	20	
Signoff By:		Date:		
Closed By: LINK, MICHAEL A		Date: 05-MAR-2	20	

25 JAN 2021 09:57 AM

Service Request No.

2003944

2003944

WORK LOCATION

Address:2556 BROWNFIELD RD

Created Date: 03/04/2020 02:18 PM

Suite: 0319

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0319.CARBONDALE RD. ON-LINE REQUEST. THERE'S LEAVES, TRASH AND GLASS ALONG CURB WHICH PREVENTS WATER FROM FREELY DRAINING INTO SEWER. THANK YOU.

Requested Date:

Crew:BOYM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/05/2020 07:43:58AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Latta, Jonathan

Call Back: 0

Address: 2556 BROWNFIELD RD

Suite:

City: COLUMBUS

State: OH

Zip: 43232

Work Phone: (614) 563-0082

Ext:

Service Request No.

2003944

2003944

Created Date: 03/04/2020 02:18 PM

CLOSEOUT INFORMATION

Start: 03/04/2020 0	2:40 PM	Finish: 03/04/2020 02:50	Completed: Y	
Failure: YASSTAGNO	CY Repair: YNF	Repair: YNFWN Further Action: YNFAN		
FREELY DRA	ERE'S LEAVES, TRASH AND INING INTO SEWER. SEWER OTTER NOT S & D .			
Inspected By: MBOY D/MWA	ALLACE		Date: 04-MAR-20	
Signoff By:			Date:	
Closed By: LINK, MICHAE	EL A	Date: 05-MAR-20		
CALL HISTORY				
Call No: 1		Cal	Date: 03/04/2020 02:	18:53PM
Comments: Service requ SEWER/MISC	est type w as changed from ELLANEOUS	REQUEST FOR STREET	SWEEPING/CLEANING	∂ to
Response: New SR Typ	е			
Call Back: N Date:				
Caller Name:				
Caller Phone:	Ext:			

25 JAN 2021 08:32 AM

Service Request No.

2004019

2004019

WORK LOCATION

Address:3834 ROSETTE DR

Created Date: 03/05/2020 11:50 AM

Suite: 0112

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: . EMAIL RECEIVED:

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher:SJSPARKS

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Sustomer Call Back, in

sk No: Finished Date: 03/05/2020 02:40:19PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone: Tax ID:

Company:

REPORTED BY

Name: ALKIRE PLACE HOA

Call Back: 0

Address:

Suite:

City:

_ .

State:

Zip:

Work Phone: (614) 886-5657

Ext:

Home Phone:

Refèr to Illicit Discharge Investigation 03052020-1

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

Service Request No.

2004019

2004019

Created Date: 03/05/2020 11:50 AM

CLOSEOUT INFORMATION

Start: 0	03/05/2020 02:40	PM	Finish:		Completed:		
Failure:		Repair:_		Further Action:			
Comments: I	REFERED TO STOP	RMWATER FOR POS	SSIBLE ILLICIT D	ISCHARGE.Please refer to SRMS	6# 03052020-1		
Inspected By: I	-INK			Date: 05-MAR-20	i		
Signoff By:				Date:			
	ESEMAN, MICHAEL			Date: 05-MAR-20			
SPECIFICATIO	NS						
ID: 2002967	Category:	DOSD WORK DAT	Type: SPILL	Title: SPILL DATA			
Seq. No	Attrib ute			Value			
5	SPILL AFFECTED A	AREA?					
10	CAUSE?						
15	CONTAINED Y						
20	STORMWATER NO	OTIFIED Y					
25	EPA ON SITE Y						
30	RECEIVING STRUC	TURE#					
35	RECEIVING WATER	RWAY?					
CALL HISTOR	Y						
Call No: 2	2			Call Date: 03/05/2020 11	:50:35AM		
Comments: . BASED ON RESPONSE, SERVICE REQUEST TYPE CHANGED FROM TRASH/DEBRIS ALONG RIGHT-OF- WAY TO SEWER/MISCELLANEOUS,				ALONG RIGHT-OF-			
Response:	STATUS UPDATE						
Call Back: I	N Date:						
Caller Name:							
Caller Phone:		Ext:					

Page 3 of 3

SERVICE REQUEST REPORT

25 JAN 2021 08:32 AM

Service Request No.

2004019

2004019

CALL HISTORY

Call No: 1

Call Date: 03/05/2020 11:50:30AM

Comments: Service request type was changed from TRASH/DEBRIS ALONG RIGHT-OF-WAY to SEWER/MISCELLANEOUS

Response: New SR Type

Created Date: 03/05/2020 11:50 AM

Call Back: N

Date:

Caller Name:

Caller Phone:

Ext:

•			

25 JAN 2021 09:45 AM

Service Request No.

2004070

2004070

Created Date: 03/06/2020 08:52 AM

Address:205 MORSE RD

Suite: 0371

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: **CROSSBORE**EMAIL: Joshua Fuchs, MS Consultants. Reported a CCTV crew performing video work for Clintonville 2 East CIP No. 611625-110192 found a crossbore in 18" storm pipe segment

0371T0018:0371T0017.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: LINK, MICHAEL A

Call Back Ready: N

Status: CANCELED

Customer Call Back: N

WO/Task No:

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Fuchs, Joshua

Call Back: N

Address:

State:

Suite: Zip:

City: MS Consulltants Work Phone: (614) 898-7100

Ext: 10274

25 JAN 2021 09:45 AM

Service Request No.

2004070

2004070

Created Date: 03/06/2020 08:52 AM

CLOSEOUT INFORMATION

Start:	Finish:		Completed:
Failure:			
Comments:			
Inspected By:		Date:	
Signoff By:		Date:	The state of the s
Closed By:		Date:	

25 JAN 2021 10:00 AM

Service Request No.

2004141

2004141

WORK LOCATION

Address:3243 LONG COVE CT

Created Date: 03/08/2020 04:10 PM

Suite: 0569

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0568, (S+E) CALLER STATES WATER IS COMING FROM THEIR SUMP PUMP & ALSO BOTH SIDE OF THE BASEMENT NEVERTHLESS WHEN THEY TURN THE SUMP PUMP OFF THERE IS NO

WATER. NEXT, THE DOW TRANSFERED THE CALL TO US BECAUSE A POTENTIAL SEWER BACK

UP. PLEASE CHECK ALL CITY SEWER & SPEAK W/ THE HOMEOWNERS.

Requested Date:

Crew: DAVM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: JONES, CRYSTALYN R

Call Back Ready: Y

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/09/2020 12:58:18PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: STERN, BONNIE

Call Back: Y

Address:3243 LONG COVE CT

Suite:

City:

State:

Zip:

Work Phone: (614) 569-1013

Ext:

25 JAN 2021 10:00 AM

Service Request No.

2004141

2004141

CLOSEOUT INFORMATION

Created Date: 03/08/2020 04:10 PM

Start: 03/09/2020 11:37 AM	Finish: 03/09/2020 12:55	5 PM	Completed: Y
Failure: YNCF	Repair: YNOWORKFND	Further Action:YNFA	N
Comments: THE CALLER ISSUE IS THIER ARRIVED. THE CALLER WAS	SUMP PUMP. THE CITY'S STORM SE S NOTIFIED OF OUR FINDINGS	WER WAS OPEN AT T	HE TIME WE
Inspected By: M DAVEY S VERHAGE		Date: 09-MAR-20	
Signoff By:	4	Date:	·····
Closed By: LINK, MICHAEL A		Date: 11-MAR-20	

25 JAN 2021 08:33 AM

Service Request No.

2004618

2004618

WORK LOCATION

Address: HILLIARD ROME RD

Created Date: 03/17/2020 09:22 AM

Cross Street: GLENCHESTER DR

City:

Suite: 0281

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: . RECEIVED A CALL FROM FRANKLIN COUNTY ENG. OFFICE. STATES THAT THERE IS DIESEL

FULL ON HILLIARD ROME RD - JUST PAST GLENCHESTER.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: MRLEWIS

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 04/28/2020 10:20:39AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: COUNTY ENG., FRANKLIN

Call Back: 0

Address:

State:

Suite: Zip:

City:

Work Phone: (440) 813-0431

Ext:

Ext:

Service Request No.

2004618

2004618

Created Date: 03/17/2020 09:22 AM

CLOSEOUT IN	FORMATION			
Start:	03/17/2020 09:45 AM	Finish	Programme of the second of the	Completed:
Failure:		Repair:	Further Action:	
	REFERED TO STORMWA On 03/17/20 IDDE crews			
Inspected By:	LINK		Date: 17-MAR-20	
Signoff By:			Date:	
Closed By: I	ESEMAN, MICHAEL L		Date: 28-APR-20	
SPECIFICATION	DNS			
ID: 2003611	Category: DOSI	WORK DAT Type:	SPILL Title: SPILL DA	TA
Seq. No	Attrib ute		Value	
5	SPILL AFFECTED AREA?			
10	CAUSE?			
15	CONTAINED Y			
20	STORMWATER NOTIFIED	Υ		
25	EPA ON SITE Y			
30	RECEIVING STRUCTURE	#		
35	RECEIVING WATERWAY	?		
CALL HISTOR	Υ			
Call No:	2		Call Date: 03/17/2020	09:23:06AM
Comments:	. BASED ON RESPONSE WAY TO SEWER/MISCE	, SERVICE REQUEST T LLANEOUS,	YPE CHANGED FROM TRASH/DEBR	IS ALONG RIGHT-OF-
Response:	STATUS UPDATE			
Call Back:	N Date:			
Caller Name:				
Caller Phone:	F	Ext:		

Page 3 of 3

SERVICE REQUEST REPORT

25 JAN 2021 08:33 AM

Service Request No.

2004618

2004618

Call No: 1

CALL HISTORY

Call Date: 03/17/2020 09:23:01AM

Comments: Service request type was changed from TRASH/DEBRIS ALONG RIGHT-OF-WAY to SEWER/MISCELLANEOUS

Response: New SR Type

Created Date: 03/17/2020 09:22 AM

Call Back: N

Date:

Caller Name:

Caller Phone:

Ext:

25 JAN 2021 10:37 AM

Service Request No.

2004679

2004679

Created Date: 03/18/2020 04:47 PM

WORK LOCATION

Address: WOODY HAYES DR

Cross Street: CANNON DR

City:

Suite: 0052

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST #52 - CITIZEN REPORTS A WHITE SUBSTANCE COMING OUT OF AN INLET ON THE BIKE

TRAIL ON WOODY HAYES DRIVE JUST WEST OF THE FRENCH FIELD HOUSE. STRUCTURE T0437 OR T0954. HE SAID THERE WAS A NEARBY SIGN THAT INDICATED TO REPORT IF THERE WAS ANY UNUSUAL SUBSTANCE FLOWING FROM THE STRUCTURE. THE STRUCTURE IS ABOUT 10

FEET FROM THE TRAIL.

Requested Date:

Crew:WALE2

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 03/18/2020 11:48:58PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: PIERCE, DEON

Call Back: N

Address: WOODY HAYES DR

Suite: 0052

City:

State:

Zip:

Work Phone: (614) 496-2116

Ext:

25 JAN 2021 10:37 AM

Service Request No.

2004679

2004679

Created Date: 03/18/2020 04:47 PM

CLOSEOUT INFORMATION

Start: 03/18/2020 07:30 PM		Finish: 03/18/2020 08:30) PM	Completed:
Failure: YPDBINSP	Repair:		Further Action:YNFA	N
Comments: No problem found at time of	inspection.			
Inspected By: Epw alters & Fljohnson			Date: 18-MAR-20	
Signoff By:			Date:	
Closed By: JOHNSON, FRED L			Date: 19-MAR-20	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 08:35 AM

Service Request No.

2005575

2005575

Created Date: 03/25/2020 11:32 AM

Address:2796 QUAILVIEW LN

Suite: 0357

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YFLOOD - Flooding, surface water.

Problem Description: DIST 0357 (W) Qualiview Lane & Morel Way. ON-LINE REQUEST. Storm water has been constantly flow ing for 6+ months. Possibly illegal dumping into storm water. Occasional odd material found in water.

Requested Date:

Crew:

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: CABURKE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/20/2020 02:39:47PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0
Suite:

Address:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 05202020-2

Service Request No.

2005575

2005575

Created Date: 03/25/2020 11:32 AM

CLOSEOUT INFORMATION

Start: 05/20/2020 10:00 AM	Finish: 05	/20/2020 11:00 AM	Co	ompleted: Y
Failure:	Repair:	Further A	ction:	
Comments: Discharge in curbline app	ears to be groundw ater.	Refer to S.R.M.S. report	05202020-2	
Inspected By:Lamb		Date: 20-M	IAY-20	
Signoff By:		Date:		
Closed By: LAMB, ROBERT F		Date: 20-M	IAY-20	
DOCUMENTS AND PROCEDURES				
Document ID	Document Type	Status	Revision L	ast Update Date
311-109735	DOCUMENT	CREATED		

25 JAN 2021 10:39 AM

Service Request No.

2005636

2005636

Created Date: 03/26/2020 06:50 AM

WORK LOCATION

Cross Street:

Address:1094 SAY AVE

City:

Suite: 0028

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: E Fourth Avenue. ON-LINE REQUEST. Raw sewage is collecting on sidewalk from discharge at 1094

Requested Date:

Crew:ENGS1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: MLBOONE

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No: 2008607/01

Finished Date: 03/27/2020 08:01:58AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Klein, Andrew

Call Back: 0

Address: 162 DETROIT AVE *UNIT:

Suite:

City: COLUMBUS

State: OH

Zip: 43201

Work Phone: (614) 299-6139

Ext:

25 JAN 2021 10:39 AM

Service Request No.

2005636

2005636

Created Date: 03/26/2020 06:50 AM

CLOSEOUT INFORMATION

Start:	03/26/2020 10:15 AM	Finish: 03/26/2020 11:00	MA C	Completed: Y
Failure:	YNCF	Repair: YEXPOSDSTR	Further Action:YCLEA	AN
Comments: YOPEN - The 12 inch combination sew er serving the problem location was open and flowing when checked. Checked upstream manhole # 0028C0132 and downstream manhole # 0028C0127. We located and uncovered manhole # 0028C0132. P. Fannin II notified Storm Water section to test unknown substance in the curb line. YCLN - This sew er needs to be cleaned with a vactor from manhole # 0028C0127 one section(s) to manhole # 0028C0132 as soon as possible.				
Inspected By:	Engle / Woodall		Date: 26-MAR-20	
Signoff By:			Date:	
Closed By:	GRIFFITH, MICHAEL A		Date: 14-APR-20	

09 FEB 2021 12:15 PM

Service Request No.

2005664

2005664

Created Date: 03/26/2020 03:24 PM

WORK LOCATION

Address:3834 ROSETTE DR

Suite: 0112

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: DIST 0112 . EMAIL RECEIVED: PREVIOUSLY HAD DISCUSSED WITH MICHAEL EASTMAN OF STORM WATER - VAN PARKED IN FRONT OF 3834 ROSETTE IS STILL ACTIVELY LEAKING OIL INTO MAIN ROAD AND HAS BEEN SINCE DECEMBER. I DO NOT HAVE THE SERVICE REQUEST NUMBER - GMC WITH OHIO PLATE # HOT6143. I AM AWARE THIS IS NOT MAIN CONCERN DUE TO COVID-19, BUT I WAS TOLD TO REPORT IF IT CONTINUES. CALLED NON-EMERGENCY DISPATCH AS INSTRUCTED BY MIKE IF ISSUE CONTINUES AND THEY ADVISED THEY WILL NOT COME OUT

FOR AN OIL POLLUTION ISSUE AND TO SEND EMAIL TO 311.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: SJSPARKS

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/27/2020 08:37:15AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ALKIRE PLACE HOA

Call Back: 0

Address:

City:

State:

Suite: Zip:

Work Phone: (614) 886-5657

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 03052020-1

Service Request No.

2005664

2005664

CLOSEOUT INFORMATION

Created Date: 03/26/2020 03:24 PM

Start: 05/27/2020 08:37 AM	Finish:	Completed:
Failure:	Repair:	Further Action:
Comments: Vehicle w as repaired and oil Refer to S.R.M.S. 03052020-		discharge w as found w hen i checked back.
Inspected By:LINK Signoff By:		Date: 27-MAR-20 Date:
Closed By: ESEMAN, MICHAEL L		Date: 27-MAY-20

SPECIFICATIONS

ID:	2004372	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE#	
	35	RECEIVING WATERWAY?	

25 JAN 2021 10:04 AM

Service Request No.

2005732

2005732

WORK LOCATION

Address:2896 DIBBLEE AVE

Created Date: 03/27/2020 03:05 PM

Suite: 0078

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0078. (W) Hague. ON-LINE REQUEST. Leaves and debri packed under metal grate

Requested Date:

Crew:KISL1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: CABURKE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/17/2020 11:24:56AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

T--- ID.

Tax ID:

REPORTED BY

Name: Kohnen, Scott

Call Back: 0

Address: 2896 DIBBLEE AVE

Suite:

City: COLUMBUS

State: OH

Zip: 43204

Work Phone: (614) 778-7902

Ext:

25 JAN 2021 10:04 AM

Service Request No.

2005732

CREATED

2005732

Created Date: 03/27/2020 03:05 PM

CLOSEOUT INFORMATION

Start: 05/17/2020 09:50 AM	Finish: 05/17/2	2020 11:00 AM	Completed: Y
Failure: YDIRTY	Repair: YHNDCLND	Furthe	r Action:YNFAN
Comments: F/O 2896 Dibblee Ave har debris in it.	nd cleaned inlet the inlet does	not have asset nu	umber .the inlet had leaves and
Inspected By: Kisner.L Signoff By:			7-MAY-20
Closed By: FANNIN II, PAUL D			7-MAY-20
DOCUMENTS AND PROCEDURES			
Document ID	Document Type	Status	Revision Last Update Date

DOCUMENT

Submitted by: RFLAMB

311-109833

25 JAN 2021 08:38 AM

Service Request No.

2005768

2005768

Created Date: 03/28/2020 09:33 PM

WORK LOCATION

Address:3048 VALLEYWOOD DR

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: . EMAIL RECEIVED:

ON SEVERAL OCCASIONS I HAVE WITNESSED THE NEIGHBORS BEHIND MY HOUSE DUMPING I THE CREEK AND ITS FULL OF GARBAGE AND HALF THEIR STUFF FROM THEIR YARD - THEY

SIMPLY DON'T CARE.

ITS NOW TRASH FILLED BY THEIR PROPERTY IN THE CREEK, THEY DUMP LIQUIDS FROM

BARRELS AND WHAT NOT. IT NEEDS TO STOP.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: SJSPARKS

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Name:

Finished Date: 03/30/2020 11:09:35AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Ext:

Customer Call Back: N
Home Phone:

Work Phone: Company:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Address:

State:

Suite:

City: Work Phone:

Ext:

Zip:

Home Phone:

Refer to Illicit Discharge Investigation 03302020-1

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 08:38 AM

Service Request No.

2005768

2005768

Created Date: 03/28/2020 09:33 PM **CLOSEOUT INFORMATION** Start: 03/30/2020 09:00 AM Finish: 03/30/2020 10:00 AM Completed: Y Failure: Repair: ___ Further Action:____ Comments: Refer to SRMS investigation 03302020-1 Inspected By: lamb Date: 30-MAR-20 Signoff By:lamb Date: 30-MAR-20 Closed By: LAMB, ROBERT F Date: 31-MAR-20 **DOCUMENTS AND PROCEDURES** Document ID Document Type Status Revision Last Update Date 311-109876 **DOCUMENT CREATED** CALL HISTORY Call No: 1 Call Date: 03/28/2020 09:33:17PM Comments: Service request type was changed from SWI/REFUSE/MISC to SEWER/MISCELLANEOUS Response: New SR Type Call Back: N Date: Caller Name:

Ext:

Caller Phone:

25 JAN 2021 08:37 AM

Service Request No.

2005761

2005761

WORK LOCATION

Address:3700 COLLET CT

Created Date: 03/28/2020 04:04 PM

Suite: 0119

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: please see storm water investigation number 03282020-1

DIST #119 - WEST - CITIZEN REPORTED A DRAINAGE DITCH AT THE REAR OF HIS ADDRESS HAS CLOUDY WATER, LOKE A RESIDUE AND THE ROCKS HAVE BLACK SCUM ON THEM. THERE IS NOTHING, LIKE OIL POURING INTO THE DITCH. DISTCH IS FIVE MILES LONG. DISPATCHER SCOTT CALLED MATT REPASKY, CREATED A CALLED AND CALLED A CREW MEMBER.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

State:

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/03/2020 11:09:39AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: NEWMAN, MICHAEL

Call Back: N

Address:3700 COLLET CT

Suite: 0119

City:

Zip:

Work Phone: (614) 361-5588

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 03282020-1

25 JAN 2021 08:37 AM

Created Date: 03/28/2020 04:04 PM

Service Request No.

2005761

2005761

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_	-	-	u	1141.4	717 IV	JA 1	עוטו

Start: 03/28/2020 06:30 PM	Finis	h: 03/28/2020 08:30 PM	Completed: Y
Failure:	Repair:	Further Action	1:
Comments: Please refer to S.R.M.S.	#03282020-1		
Inspected By: Claypool		Date: 28-MAR-2	20
Signoff By:		Date:	
Closed By: CLAYPOOL, MATTHEW	E	Date: 03-SEP-2	0

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 10:43 AM

Service Request No.

2006099

Created Date: 04/02/2020 08:23 PM

2006099

WORK LOCATION

Address:3151 HOWEY RD

Suite: 0177

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST #177 - NORTH - UNKNOWN CITIZEN REPORTED SEEING A MAN THAT LIVES AT 3151 HOWEY

RD USING A SNOWSHOVEL SCOOPING DEBRIS INTO THE STORM DRAIN AT THE SOUTHEAST CORNER OF HOWEY AND E. NORTH BROADWAY. THIS MAN SCOOPED DEBRIS INTO THE

STORM DRAIN FOR ABOUT AN HOUR. HE HAS DONE THIS BEFORE.

Requested Date:

Crew:ROBA2

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 04/03/2020 09:44:25AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: UNKNOWN

Call Back: N

Address:3151 HOWEY RD

Suite: 0177

City:

State:

Zip:

Work Phone:

Ext:

Ext:

25 JAN 2021 10:43 AM

SERVICE REQUEST REPORT

Service Request No.

2006099

2006099

Created Date: 04/02/2020 08:23 PM

CLOSEOUT INFORMATION

Start: 04/03/2020 08:00 AM	Finish: 04/03/2020 09:	30 AM	Completed:
Failure: YOPEN	Repair:	Further Action:YNFA	N
Comments: w ent to problem area check located drains are open	ed all catch basin #0177t0615, 017	⁷ t0616, 0177t0617, 017	7t0618, w as no debris
Inspected By: A. Roberts / R. Jackson		Date: 03-A PR-20	
Signoff By:	CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE	Date:	
Closed By: LINK, MICHAEL A		Date: 06-APR-20	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 08:40 AM

Service Request No.

2006202

2006202

Created Date: 04/06/2020 11:32 AM

Address:3400 VALLEY PARK AVE

Suite:

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: . PER VOICEMAIL

CALLER STATES THIS ADDRESS REGULARLY HAS A MILKY/SUDSY WATER FLOWING FORM THE

HOME, DOWN THE DRVEWAY, DOWN THE CURBLINE TO THE SEWER DRAIN - BELIEVES IT IS

FROM LAUNDRY DRAINING - PLEASE CHECK

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: AMMCCUNE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 04/07/2020 02:55:58PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: VOICEMAIL

Call Back: 0

Address:

State:

Suite: Zip:

City: Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 04062020-1

Service Request No.

2006202

2006202

CLOSEOUT INFORMATION

Created Date: 04/06/2020 11:32 AM

Start: 04/06/2020 01:00 PM	Finish: 04/06/2020 02:	00 PM	Completed: Y
Failure:	Repair:	Further Action:	
Comments: please refer to SRMS 04062	2020-1		
Inspected By:LINK		Date: 06-APR-20	
Signoff By:Lamb		Date: 07-APR-20	
Closed By: LAMB, ROBERT F		Date: 07-A PR-20	

SPECIFICATIONS

D: 2004466	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
Seq. N	o Attribute	Value
5	SPILL AFFECTED AREA?	
10	CAUSE?	
15	CONTAINED Y	
20	STORMWATER NOTIFIED Y	
25	EPA ON SITE Y	
30	RECEIVING STRUCTURE#	
35	RECEIVING WATERWAY?	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 10:07 AM

Service Request No.

2006341

2006341

Address:3726 MULLANE CT

Created Date: 04/08/2020 03:31 PM

Suite: 0446

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0446 (W) Frantz Road and the south entrance to Ballymead. The drain is behind the fence in the back of the property, along the road.. ON-LINE REQUEST. No street flooding, but the storm drain is full of leaves up to the grate. It is located on the south side of Frantz Road across from the south intersection of

Ballymead and Frantz Road.

Requested Date:

Crew:LINM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: CABURKE

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/17/2020 08:17:58AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Ext:

Company:

Tax ID:

REPORTED BY

Name: Treon, Ronald

Call Back: 0

Address: 3726 MULLANE CT MARY

Suite:

City: COLUMBUS

State: OH

Zip: 43016

Work Phone: (614) 792-0851

Ext:

25 JAN 2021 10:07 AM

Service Request No.

2006341

2006341

CLOSEOUT INFORMATION

Created Date: 04/08/2020 03:31 PM

Start: 05/16/2020 04:15 PM	Finish: 05/16/202	0 05:00 PM	Completed: Y	
Failure: YDIRTY	Repair: YHNDCLND	Further Actio	n:YNFAN	
Comments: YINLET/DIRTY – The storm sew er serving the problem location was open and flowing when checked. Inlet #0365T1049 grate was cleaned by hand. No further work needed.				
Inspected By:WOODALL/LINK		Date: 16-MAY	-20	
Signoff By:		Date:		
Closed By: LINK, MICHAEL A		Date: 17-MAY	-20	

25 JAN 2021 10:08 AM

Service Request No.

2006342

2006342

Created Date: 04/08/2020 03:31 PM

WORK LOCATION

Address:252 JEFFREY PL W

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Suite:

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: ON-LINE REQUEST. Storm sew er drain in front of 252 W Jeffrey Pl. is blocked with leaves and debris.

Requested Date:

Crew: VERS1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: CABURKE

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 04/08/2020 05:46:39PM

CUSTOMER INFORMATION

Customer ID:

Name:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Hoffman, Elizabeth

Address: 252 W JEFFREY PL

Call Back: 0

Suite:

City: COLUMBUS

State: OH

Zip: 43214

Work Phone: (614) 404-7701

Ext:

25 JAN 2021 10:08 AM

Service Request No.

2006342

2006342

Created Date: 04/08/2020 03:31 PM

CLOSEOUT INFORMATION

Start: 04/08/2020 05:41 PM	Finish: 04/08/2020 06:3	0 PM	Completed:
Failure: YDIRTY	Repair: YHNDCLND	Further Action:YNFA	N
Comments: Clean leaves from around storm inlets 0370T0287, 0286, 0237			
Inspected By:Verhage/Sw ank		Date: 08-APR-20	
Signoff By:		Date:	
Closed By: JOHNSON, FRED L		Date: 08-APR-20	

25 JAN 2021 10:09 AM

Service Request No.

2006584

Suite: 0066

2006584

Created Date: 04/14/2020 05:41 PM

Address:2613 DIANE PL

City:

WORK LOCATION

Cross Street:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: Caller states there are leaves in the storm sew ers, originally written up and ran as a WIB.

Requested Date:

Crew:LIGJ1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: MARTIN, DARRELL W

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Name:

Finished Date: 04/14/2020 06:19:15PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Mary, Smith

Call Back: N

Address:2613 DIANE PL

State:

Suite: 0066 Zip:

City: Work Phone: (614) 491-1370

Ext:

25 JAN 2021 10:09 AM

Service Request No.

2006584

2006584

Created Date: 04/14/2020 05:41 PM

CLOSEOUT INFORMATION

Start: 04/14/2020 05:30 PM	Finish: 04/1	4/2020 06:15 PM	Completed: Y
Failure: YNCF	Repair: YNFWN	Further Acti	on:YNFAN
Comments: YFLOOD/CLN- checked st _0066t0093, CB/Inlet wa		d they w ere all open. The	CB/INLET #_0066t0092 @
Inspected By: lightle		Date: 14-APF	R-20
Signoff By:		Date:	
Closed By: JOHNSON, FRED L		Date: 21-MA	Y-20

SPECIFICATIONS

ID:	2004531	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE#	
	10	CHECKED TO STRUCTURE#	
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VAC R=ROD H=HAND	
	50	TENANT WATER DRAINED Y	
	55	TENANT NOTIFIED?	
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED #	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP ADDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

Submitted by: RFLAMB

25 JAN 2021 10:09 AM

Service Request No.

2006584

2006584

Created Date: 04/14/2020 05:41 PM

SPECIFICATIONS

ID:	2004531	Category: DOSD WORK DAT	Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute		Value
	130	RECEIVING WATERWAY?		

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 08:41 AM

Service Request No.

2006742

2006742

Created Date: 04/19/2020 05:30 PM

WORK LOCATION

Address:4955 SPRINGDALE BLVD

Suite: 0286

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: DIST 0286, CALLER STATES WASTEWATER IS DUMPIED INTO THE STORM SEWER ACF THE ABOVE ADDRESS BY A COMMERCIAL CARPET COMPANY BLAS, PLEASE INVESTIGATE

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: JONES, CRYSTALYN R

Call Back Ready: Y

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 04/20/2020 02:50:36PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: TROTT, HEATHER

Call Back: Y

Address:4955 SPRINGDALE BLVD

Suite: 0286

City:

State:

Zip:

Work Phone: (614) 595-9265

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 04202020-1

Service Request No. 2006742

2006742

Created Date: 04/19/2020 05:30 PM

Start: 04/20/2020 02:50 PM	Finish:	Com	pleted:
Failure:	Repair:	Further Action:	
Comments: Please refer to S.R.M.S. in	nvestigation 04202020-1		
nspected By:		Date:	
nspected By: Signoff By:		Date: Date:	

ID: 2004546	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
Seq. No	Attribute	Value
5	SPILL AFFECTED AREA?	
10	CAUSE?	
15	CONTAINED Y	
20	STORMWATER NOTIFIED Y	
25	EPA ON SITE Y	
30	RECEIVING STRUCTURE#	
35	RECEIVING WATERWAY?	

26 JAN 2021 09:16 AM

Service Request No.

2007218

Created Date: 05/01/2020 11:17 AM

2007218

WORK LOCATION

Address:603 COLUMBIAN AVE

Suite: 0022

Cross Street:SAFFORD AVE

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: DIST 22 (W) NEIGHBOR SAYS SUMP PUMP DISCHARGING SANITARY SEWER OUT INTO THE

STREET

Requested Date:

Crew:WALS2

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/01/2020 01:06:01PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ANONY MOUS CALLER

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (614) 975-4667

Ext:

SERVICE REQUEST REPORT 26 JAN 2021 09:16 AM

Service Request No.

2007218

2007218

CLOSEOUT INFORMATION

Created Date: 05/01/2020 11:17 AM

Start: 05/01/2020 12:00 PM	Finish: 05/01/2020 01:30 PM Comple		Completed:
Failure: YNCF	Repair: YNFWN	Further Action:YNFAI	N
upstream M.H#0022s0128 a	e serving 603 columbian ave w as open and flow ing at time of investigation, checked 128 and dow nstream M.H.#0022s0125. the w ater that is being pumped in to street nitary. looks to be ground w ater from sump pump.		
Inspected By:s.w alters		Date: 01-MAY-20	
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 05-MAY-20	

SPECIFICATIONS

ID:	2004882	Category: DOSD WORK DAT Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute	Value
	5	CHECKED FROM STRUCTURE#	
	10	CHECKED TO STRUCTURE#	
	15	CAUSE = GREASE Y	
	20	CAUSE = ROOTS Y	
	25	CAUSE = DEBRIS Y	
	30	CAUSE = SURCHARGED Y	
ŀ	35	CAUSE = OTHER	
	40	CAUSE = UNKNOWN Y	
	45	OPEN V=VAC R=ROD H=HAND	
	50	TENANT WATER DRAINED Y	
	55	TENANT NOTIFIED?	
	60	WORK SEQUENCE	
	65	CLEAN FROM#	
	70	CLEAN TO #	
	75	TV FROM#	
	80	TV TO#	
	85	DESIGNED SEWER RELIEF - DSR #	
	90	STRUCTURE OVERFLOWED#	
	95	MH#-UPSTREAM OF BLOCKAGE	
	100	MH# - DOWNSTREAM OF BLOCKAGE	
	105	OVERFLOW AFFECTED AREA?	
	110	SUMP PUMP ADDRESS	
	115	SECURE 1=SIGN 2=HANGER 3=OTHER	
	120	TIME/DATE OVERFLOW STOPPED	
	125	RECEIVING STRUCTURE #	

Submitted by: RFLAMB

26 JAN 2021 09:16 AM

Service Request No.

2007218

2007218

Created Date: 05/01/2020 11:17 AM

SPECIFICATIONS

ID:	2004882	Category: DOSD WORK DAT	Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute		Value
	130	RECEIVING WATERWAY?		

25 JAN 2021 08:42 AM

Service Request No.

2007682

Suite: 0013

2007682

Created Date: 05/11/2020 02:47 PM

WORK LOCATION

Address: E2ND AVE

. .

Cross Street:LEXINGTON AVE

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: **REFERED TO STORMWATER. . PER VOICEMAIL, CALLER WANTS TO REMAIN ANONY MOUS.

STATES THERE IS A OIL LEAK NEAR THIS INTERSECTION. SAYS ITS ON LEXINGTON AVE GOING

TOWARD E 5TH AVE

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: GAHOLLOWAY

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 05/20/2020 02:42:44PM

CUSTOMER INFORMATION

Customer ID:

Name:

Bill Customer: N

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

•

nome Phone.

Tax ID:

REPORTED BY

Name: PER VOICEMAIL

Call Back: 0

Address:

State:

Suite: Zip:

City: Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 05202020-1

25 JAN 2021 08:42 AM

Service Request No.

2007682

2007682

Created Date: 05/11/2020 02:47 PM

CLOSEOUT INFORMATION

Start: 05/20/2020 09:00 AM	Finish: 05/20/2020 09:30 AM	Completed: Y
Failure:F	Repair: Further Actio	on:
Comments: No oil leaking or any oil issues	at this time, refer to S.R.M.S. report 05202020-1	
Inspected By:Lamb	Date: 20-MAY	′-20
Signoff By:		
Closed By: LAMB, ROBERT F	Date: 20-MAY	
CALL HISTORY	24.0.20 110 11	
Call No: 2	Call Date: 05/11/2	2020 02:48:43PM
Comments: . BASED ON RESPONSE FROM TRASH/DEBRIS ALONG RIGHT	M SREET MAINTENANCE, SERVICE REQUEST TYI T-OF-WAY TO SEWER/MISCELLANEOUS ***ATT	PE CHANGED FROM 'N STORMWATER****
Response:STATUS UPDATE		
Call Back: N Date:		
Caller Name:		
Caller Phone: Ext:		
Call No: 1	Call Date: 05/11/2	2020 02:47:09PM
Comments: Service request type w as cha	anged from TRASH/DEBRIS ALONG RIGHT-OF-W	/AY to SEWER/MISCELLANEOUS
		·
Response:New SR Type		
Call Back: N Date:		
Caller Name:		
Caller Phone: Ext		

Service Request No.

2008048

2008048

Created Date: 05/18/2020 01:17 PM

WORK LOCATION

Address:495 FAIRLAWN DR

Suite: 0233

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: . WHEN THE OWNERS OF 495 FAIRLAWN DRIVE CLEAN THEIR SWIMMING POOL, THE WATER IS DUMPED INTO THE DRAIN THAT DRAINS INTO OUR RAIN GARDEN. THE WATER IS MILKY IN COLOR AND OUR RAIN GARDEN SMELLS LIKE SEWAGE. I WAS UNDER THE ASSUMPTION THAT WATER FROM A SWIMMING POOL WAS TO BE DISCHARGED INTO A SEWER LINE NOT INTO THE STREET. CAN ANYTHING BE DONE ABOUT THIS? LAST SUMMER, THE SMELL WAS HORRIFIC. THE CITY CAME AND TESTED THE WATER ONCE LAST YEAR AND SAID NOTHING WAS IN THE WATER. I HAVE PHOTOGRAPHED THE WATER TO SHOW THE COLOR AND CAN MAKE THOSE PHOTOS AVAILABLE. THE RAIN GARDEN HAS A NEGATIVE FLOW SO THE WATER JUST SITS IN IT. PLEASE HELP RESOLVE THIS PROBLEM. I SPOKE WITH THE NEIGHBOR WHO'S POOL DISCHARGES INTO THE STORM DRAIN AND THEY SAID THERE WAS NOTHING IN THE WATER THAT WOULD CAUSE THE SMELL.

Requested Date:

Crew:

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: PMZEIER

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/19/2020 02:24:22PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Strayer, Susan

Call Back: 0

Address: 445 FAIRLAWN DRIVE

Suite:

City: COLUMBUS

State: OH

Zip: 43214

Work Phone: (614) 519-9652

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 05192020-1

Service Request No.

2008048

2008048

CLOSEOUT INFORMATION

Created Date: 05/18/2020 01:17 PM

Pecialist to have contractor clean out bioretention	
	n celltends to collect
51 to 6.14.W.O. #00102020 1	
Date: 19-MAY-20	
Date:	
Date: 19-MAY-20	
	Date:

SPECIFICATIONS

ID:	2005647	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE #	
	35	RECEIVING WATERWAY?	

09 FEB 2021 12:47 PM

Service Request No.

2009512

2009512

Created Date: 05/27/2020 09:41 PM

Address:2936 MEDINA AVE

Suite: 0129

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: DIST #129 NORTH CITIZEN REPORTS A TRASH TRUCK LEAKED HYDRAULIC FLUID FROM 2936

MEDINA TO OAKLAND PARK

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 05/29/2020 10:32:05AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: CRANDOFF, JAMES

Call Back: N

Address:2936 MEDINA AVE

Suite: 0129

City:

State:

Zip:

Work Phone: (614) 329-0059

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 05282020-1

09 FEB 2021 12:47 PM

SERVICE REQUEST REPORT

Service Request No.

2009512

2009512

Created Date: 05/27/2020 09:41 PM

CLOSEOUT INFORMATION

Start: (05/29/2020 10:32 AM	Finish:		Completed: Y
Failure:	Repair:		Further Action:	
Comments: I	No signs of oil on roadw ay or in MS4.	Refer to S.R.M.S. 05	282020-1	
Inspected By:	Michael Eseman		Date: 28-MAY-20	
Signoff By:_	WATER CONTROL OF THE PERSON OF		Date:	
Closed By: E	ESEMAN, MICHAEL L		Date: 29-MAY-20	
SPECIFICATIO	NS			
ID: 2006659	Category: DOSD WORK DAT	Type: SPILL	Title: SPILL DATA	
Seq. No	Attribute		Value	
5	SPILL AFFECTED AREA?			
10	CAUSE?			
15	CONTAINED Y			
20	STORMWATER NOTIFIED Y			
25	EPA ON SITE Y			
30	RECEIVING STRUCTURE#			

35

RECEIVING WATERWAY?

25 JAN 2021 09:11 AM

Service Request No.

2009484

2009484

Created Date: 05/27/2020 02:39 PM

WORK LOCATION

Address:5431 HALL RD

Suite: 0216

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: DIST 0216 . ON-LINE REQUEST. On the w est side of our backyard is w et at times w ith standing w ater even when we have had no rain.last night we had a steady stream of water .At times it smells like

At 1058 Norton road is a building they have been slowly building. During the major storms a few weeks ago muddy water was running from this property into the storm drain located in Bolton Estates and into ours and the neighbors. The neighbor ,located at 5445 Hall has standing water in his yard.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 09/08/2020 02:33:15PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: rizzonelli, Rae

Call Back: 0

Suite:

Address: 5431hall rd

City: Columbus

State: OH

Zip: 43228

Work Phone: (614) 448-6563

Ext:

Home Phone:

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 09:11 AM

SERVICE REQUEST REPORT

Service Request No.

2009484

2009484

CLOSEOUT INFORMATION

Created Date: 05/27/2020 02:39 PM

Start: 09/08/2020 02:00 PM	Finish: 09/08/2020 02:3	80 PM	Completed: Y
Failure:	Repair:	Further Action:	
Comments: Appears to be failing HSTS s	ystem by description. Forw arded f	indings to Columbus Pul	blic Health via Email
Inspected By:Lamb		Date: 08-SEP-20	
Signoff By:		Date:	
Closed By: LAMB, ROBERT F		Date: 08-SEP-20	

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

09 FEB 2021 12:57 PM

SERVICE REQUEST REPORT

Service Request No.

2009575

Created Date: 05/28/2020 12:35 PM

2009575

WORK LOC	Α	ΤI	О	N
----------	---	----	---	---

Address:646 COLEBRIDGE DR

Suite: 0561

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST 0561 BEHIND ADRESSS LISTED IN BETWEEN NEIGHBORING BACKY ARDS., ON-LINE

REQUEST. SEWER COVER LEFT BY CONSTRUCTION CREW STILL ON DRAIN AND CAUSING

FLOODING WITH HEAVY RAIN.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/08/2020 01:26:10PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Ext:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Address:

Suite:

City: Work Phone:

Ext:

State:

Home Phone:

Zip:

Service Request No.

2009575

2009575

Created Date: 05/28/2020 12:35 PM

CLOSEOUT INFORMATION			
Start: 09/08/2020 09:00 AM	Finish: 09/08/2020 10:30	O AM	Completed: Y
Failure:	Repair:	Further Action:	
Comments: No coversew er is open			
Inspected By:Lamb		Date: 08-SEP-20	
Signoff By:	· · · · · · · · · · · · · · · · · · ·	Date:	
Closed By: LAMB, ROBERT F		Date: 08-SEP-20	
CALL HISTORY			
Call No: 1	Cal	l Date: 05/28/2020 12	:35:23PM
Comments: Service request type was of PROPERTY to SEWER/MISC		CONSTRUCTION DEB	RIS/PRIVATE
Response:New SR Type			
Call Back: N Date:			
Caller Name:			
Caller Phone: Ext:			

Service Request No.

2010560

2010560

Created Date: 06/12/2020 07:14 AM

WORK LOCATION

Address:1600 HILLIARD & ROME RD

Suite: 0283

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST# 0283 - FUEL TRUCK SPILL, DISEL FUEL WENT INTO SEWER

Requested Date:

Crew:BOWJ1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 06/12/2020 08:39:04AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone: Company: Ext:

Home Phone:

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

Suite:

City:

ь.

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 06122020-2

09 FEB 2021 01:02 PM

Service Request No.

2010560

2010560

CLOSEOUT INFORMATION

Created Date: 06/12/2020 07:14 AM

Start: 06/12/2020 07:17 AM	Finish: 06	/12/2020 08:37 AM	Completed:
Failure:	Repair:	Further Action	•
Comments: Nothing has made it to stor Hillard & Rome Road. Refe		-	o started of the feul that is on
Inspected By: Bow ling		Date: 12-JUN-2	0
Signoff By:		Date:	- Article - Arti
Closed By: BOWLING, JERRY D		Date: 20-AUG-2	20

25 JAN 2021 08:56 AM

Service Request No.

2010625

2010625

Created Date: 06/12/2020 03:53 PM

WORK LOCATION

Address:129 E PACEMONT RD

Suite: 0127

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: CITIZEN SEEN POURING PAINT INTO GUTTER GOING INTO STORM SEWER

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 06/15/2020 06:57:08AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ANONYMOUS

Call Back: N

Address:

Suite:

City:

. . .

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 06122020-1

) ,

Service Request No.

2010625

2010625

CLOSEOUT INFORMATION

Created Date: 06/12/2020 03:53 PM

Start: 06/12/2020 05:00 PM	Finish: 06/12/202	20 05:50 PM	Completed:
Failure:	Repair:	Further Action:	
Comments: Refer to S.R.M.S. 061220)20-1		
Inspected By:Lamb		Date: 15-JUN-20	
Signoff By:	·	Date:	
Closed By: LAMB, ROBERT F		Date: 15-JUN-20	
SPECIFICATIONS			
ID: 2008941 Category: DOSD	WORK DAT Type: SPILL	Title: SPILL DATA	
O N- Attall			

ID:	2008941	Category: DOSD WORK DAT Type: SPILL Title: SPILL DATA
	Seq. No	Attrib ute Value
	5	SPILL AFFECTED AREA?
	10	CAUSE?
	15	CONTAINED Y
	20	STORMWATER NOTIFIED Y
	25	EPA ON SITE Y
	30	RECEIVING STRUCTURE #
	35	RECEIVING WATERWAY?

09 FEB 2021 01:06 PM

Service Request No.

2010632

2010632

WORK LOCATION

Created Date: 06/12/2020 05:04 PM

Address:3145 WINDING CREEK DR

Suite: 0074

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: DIST # 74 WEST - CITIZEN REPORTED HER NEIGHBOR HAS SEWAGE COMING FROM THEIR

GARAGE, DOWN THE DRIVEWAY, ONTO THE SIDEWALK AND INTO THE STREET.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 06/15/2020 06:52:01AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: UNKNOWN

Call Back: N

Address:3145 WINDING CREEK DR

Suite: 0074

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 06122020-3

09 FEB 2021 01:06 PM

SERVICE REQUEST REPORT

Service Request No.

2010632

2010632

Created Date: 06/12/2020 05:04 PM

CLOSEOUT INFORMATION

Start: 06/12/2020 06:00 PM	Finish: 06/12/2020 06:3	0 PM Completed: Y
Failure:	Repair:	Further Action:
Comments: Refer to SRMS 06122020-3		
Inspected By:Lamb		Date: 12-JUN-20
Signoff By:		Date:
Closed By: LAMB, ROBERT F		Date: 15-JUN-20
SPECIFICATIONS		
ID: 2008942 Category: DOSD WC	ORK DAT <i>Type:</i> SPILL	Title: SPILL DATA

ID:	2008942	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE #	
	35	RECEIVING WATERWAY?	

25 JAN 2021 09:03 AM

Service Request No.

2010978

Created Date: 06/18/2020 04:08 PM

2010978

WORK LOCATION

Address:2239 SEVERHILL DR

Suite: 0973

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST # 973 NORTHWEST NEIGHBOR REPORTED HER NEIGHBORS AT 2239 AND 2247

SEVERHILL HAVE BEEN DRAINING THEIR POOLS INTO THE STORM. THERE ARE 2 OTHER HOMES WITH INGROUND POOLS THAT MAY NEED TO BE MADE AWARE THAT DRAINING THEIR POOLS INTO THE STORM IS NOT PERMITTED - 2232 AND 2264 (NEIGHBOR DID NOT STATE THESE

NIGHBORS HAVE DRAINED THEIR POOLS INTO THE STORM)

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 07/15/2020 10:55:38AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: UNKNOWN

Call Back: N

Address:2239 SEVERHILL DR

Suite: 0973

City:

_ .

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 06192020-2

25 JAN 2021 09:03 AM

SERVICE REQUEST REPORT

Service Request No.

2010978

2010978

Created Date: 06/18/2020 04:08 PM

CLOSEOUT INFORMATION

Start: 07/15/2020 10:55 AM		Finish:		Completed:
Failure:	Repair:		Further Action:	
Comments: Refer to SRMS# 06192020-2	2			
Inspected By:			Date:	
Signoff By:			Date:	
Closed By: ESEMAN, MICHAEL L			Date: 15-JUL-20	

26 JAN 2021 09:19 AM

Service Request No.

2011377

Suite: 0044

2011377

WORK LOCATION

Address:2672 REGINA AVE

Created Date: 06/24/2020 07:03 PM

Cross Street: SAINT PATRICK RD

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YODOR - Bad odor inside or outside.

Problem Description: Dist 0044 (W)*** Caller states that she thinks there is a dead animal in one of the storm drains in front of her house. Please check all inlets in front of address.

Requested Date:

Crew:WALS2

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: JEFFREY KEENER

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 06/25/2020 10:17:24AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name: Tisdale, Jan

Customer Call Back: N

Work Phone:

Home Phone:

Company:

T 10

· · ·

Tax ID:

REPORTED BY

Name: Tisdale, Jan

Call Back: N

Address:2672 REGINA AVE

Suite: 0044

City:

State:

Zip:

Work Phone: (614) 867-7256

Ext:

Ext:

Home Phone:

26 JAN 2021 09:19 AM

Service Request No.

2011377

2011377

Created Date: 06/24/2020 07:03 PM

CLOSEOUT INFORMATION

Start: 06/25/2020 09:30 AM	Finish: 06/25/2020 10:	30 AM	Completed:
Failure: YOPEN	Repair: YHNDCLND	Further Action:YNFA	N
	79 on S.W.C. of regina ave and st pa w ing w hen checked. the Bad odor w w as notified of findings by investigat	as caused by a few de	
Inspected By:s.w alters		Date: 25-JUN-20	
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 25-JUN-20	

SPECIFICATIONS

ID: 200986	7 Category: DOSD WORK DAT Type: SMNT_EVE	NT Title: WIB - MSS AND SSO - CSO DATA
Seq. I	No Attribute	Value
5	CHECKED FROM STRUCTURE #	
10	CHECKED TO STRUCTURE#	
15	CAUSE = GREASE Y	
20	CAUSE = ROOTS Y	
25	CAUSE = DEBRIS Y	
30	CAUSE = SURCHARGED Y	
35	CAUSE = OTHER	
40	CAUSE = UNKNOWN Y	
45	OPEN V=VAC R=ROD H=HAND	
50	TENANT WATER DRAINED Y	
55	TENANT NOTIFIED?	
60	WORK SEQUENCE	
65	CLEAN FROM#	
70	CLEAN TO #	
75	TV FROM#	
80	TV TO#	
85	DESIGNED SEWER RELIEF - DSR #	
90	STRUCTURE OVERFLOWED #	
95	MH#-UPSTREAM OF BLOCKAGE	
100	MH#-DOWNSTREAM OF BLOCKAGE	
105	OVERFLOW AFFECTED AREA?	
110	SUMP PUMP ADDRESS	
115	SECURE 1=SIGN 2=HANGER 3=OTHER	
120	TIME/DATE OVERFLOW STOPPED	
125	RECEIVING STRUCTURE#	

26 JAN 2021 09:19 AM

Service Request No.

2011377

2011377

Created Date: 06/24/2020 07:03 PM

SPECIFICATIONS

ID:	2009867	Category: DOSD WORK DAT	Type: SMNT_EVENT	Title: WIB - MSS AND SSO - CSO DATA
	Seq. No	Attribute		Value
	130	RECEIVING WATERWAY?		

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

25 JAN 2021 10:54 AM

Service Request No.

2012509

Suite: 0004

2012509

Created Date: 07/13/2020 08:05 AM

WORK LOCATION

Address: HIGH ST

Cross Street: BROAD ST City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: At the Statehouse, complaint of sump pumps running constantly

Requested Date:

Crew:MOOT3

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: NAGY, DANIEL A

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 07/13/2020 02:01:52PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Queen, Randy

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone: (614) 206-8762

25 JAN 2021 10:54 AM

Service Request No.

2012509

2012509

CLOSEOUT INFORMATION

Created Date: 07/13/2020 08:05 AM

Start: 07/13/2020 08:48 AM	Finish: 07/13/	Finish: 07/13/2020 09:30 AM	
Failure: YOPEN	Repair: YNFWN	Further Action	n:YNFAN
Comments: YNCF/OPEN – Not city flow ing w hen checked notified of findings by	d. Checked upstream manhole #0		
Inspected By: TMOORE/MBOYD		Date: 13-JUL-2	0
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 16-JUL-2	0

Service Request No.

2012636

2012636

Created Date: 07/14/2020 02:09 PM

WORK LOCATION

Address:7388 RUM CAY LN

Suite: 0472

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST #0472 (S&E). EMAIL RECEIVED: I AM HELPING A CLIENT OF MINE WITH A DRAINAGE ISSUE

TO THE REAR OF THE PROPERTY.

THERE IS A DRAIN PIPE COMING FROM THE REAR OF THE NORTHERN BORDERING PROPERTY

DRAINING TO AN OPEN DITCH AND LEADING TO A STORM WATER INLET.

THIS OPEN DRAIN IS RESULTING IN EROSION AND MOSQUITOS. PLEASE HAVE SOMEONE CONTACT ME REGARDING THIS.

THANK YOU.

Requested Date:

Crew:MOOT3

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: SJSPARKS

Status: CLOSED

Call Back Ready: N

State:

Customer Call Back: N

WO/Task No:

Finished Date: 07/15/2020 02:48:40PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: HEBERT, CHRIS

Work Phone: (614) 419-3844

Call Back: 0

Address:

Suite:

Citv:

Ext:

Zip:

Home Phone:

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

Service Request No.

2012636

2012636

Created Date: 07/14/2020 02:09 PM

CLOSEOUT INFORMATION

011-07/4	5/0000 07:40 AAA	E' ' L 07/45	(0000 00 00 111	
Start: 07/1	5/2020 07:13 AM	Finish: 07/15	/2020 09:00 AM	Completed: Y
Failure: YNC	F	Repair: YNFWN	Further Actio	n:
w he		ostream INLET #Y0472T09		ation w as open and flow ing nole #Y0472T0975. Tenant w as
Inspected By:TMC	ORE/MBOY D		Date: 15-JUL-	20
Signoff By:			Date:	
Closed By: LINK	, MICHAEL A		Date: 16-JUL-	20
CALL HISTORY				
Call No: 2			Call Date: 07/14/2	2020 02:09:56PM
Comments: . SV	VR TYPE FROM WATER	VMISCELLANEOUS TO SEV	VER/MISCELLA NEOUS,	
Response:STA	TUS UPDATE			
Call Back: N	Date:			
Caller Name:				
Caller Phone:	Ext:			
Call No: 1			Call Date: 07/14/2	2020 02:09:48PM
Comments: Serv	vice request type w as	changed from WATER/MIS	CELLANEOUS to SEWER	MISCELLANEOUS
Response:New	SR Type			
Call Back: N	Date:			
Caller Name:				
Caller Phone:	Ext:			

25 JAN 2021 09:05 AM

Service Request No.

2014907

Created Date: 08/18/2020 09:47 AM

2014907

WORK LOCATION

Address:1310 PIERCE AVE

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: . CALLER STATES THE PERSON AT THIS ADDRESS IS POURING SOMETHING DOWN THE

SEWER, ALSO 1315 IS DOING THE SAME THING, MULTIPLE TIMES, PLEASE CHECK, BROWN

LIQUID

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: MLODA CHOWSKI

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/04/2020 01:44:08PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 09042020-1

25 JAN 2021 09:05 AM

SERVICE REQUEST REPORT

Service Request No.

2014907

2014907

CLOSEOUT INFORMATION

Created Date: 08/18/2020 09:47 AM

Start: 09/04/2020 08:30 AM	Finish: 09/04/2020 09:3	80 AM	Completed:
Failure:	Repair:	Further Action:	
Comments: REFERED TO STORMWATER dumping in sew er in area, re		E. CONTACTED VIA PH	ONE. No
Inspected By:LINK		Date: 18-AUG-20	
Signoff By:		Date:	
Closed By: LAMB, ROBERT F		Date: 04-SEP-20	

Service Request No.

2014931

Created Date: 08/18/2020 04:06 PM

2014931

WORK LOCATION

Address:2218 SUNLEAF CT

Suite: 0634

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST # 634 NORTH CITIZEN REPORTS HER SUMP PUMP HAS BEEN CONSTANTLY RUNNING

SNCE MAY. CITY TESTED THE WATER AND IT DOES NOT HAVE CHLORINE IN IT. THE WATER COLLECTS IN FRONT OF HER HOUSE NEAR THE SUMP PUMP PIPE AT THE CURB. IT IS A 2 FOOT WIDE PUDDLE BUT EXTENDS INTO THE CUL-D-SAC. IS CONCERNED ABOUT WHERE THE WATER IS COMING FROM AND IT IS ONLY A MATTER OF TIME BEFORE HER SUMP PUMP BURNS

UP. PLEASE CHECK THE SANITARY LINE TO THE FRONT OF HER HOUSE.

Requested Date:

Crew: GRAA1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: ADKINS, MELINDA L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No: 2021000/01

Finished Date:

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Tax ID:

Company:

REPORTED BY Name: PIATKA, ANNE

Call Back: N

Address:2218 SUNLEAF CT

Suite: 0634

City:

State:

Zip:

Work Phone: (614) 266-2336

Ext:

Home Phone:

Service Request No.

2014931

2014931

Created Date: 08/18/2020 04:06 PM

CLOSEOUT INFORMATION

Start:	08/18/2020 06:30 PM	Finish: 08/18/2020 09:3	80 PM	Completed:
Failure:	YNYD	Repair:	Further Action:YCCT	V
	ments: no scrript available T.V. 2 sections of storm sew er from upstream junction chamber #0634T0146 to dow nstream manhole #0634T0146 to determine why 66 inch line has standing water in it, also T.V. upstream from junction chamber #0634T1212 to 50 feet past manhole #0634T0074 to check for any failure of 66 inch sew er line.			
Inspected By:	grashel		Date: 18-AUG-20	
Signoff By	•		Date:	
Closed By:	GRIFFITH, MICHAEL A		Date: 30-NOV-20	

25 JAN 2021 09:06 AM

Service Request No.

2015106

2015106

Created Date: 08/20/2020 02:17 PM

WORK LOCATION

Address:4059 FULTON ST E

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: Y311 - SMOC 311 SERVICE REQUEST

Problem Description: . PER WEBMAIL

GOOD EVENING,

WE RECEIVED THE FOLLOWING COMPLAINT:

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: DJREEDER

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 09/10/2020 09:09:07AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ROYER, GARY

City: COLUMBUS

Call Back: 0
Suite:

Address: 4051 E FULTON ST

State: OH

Zip: 43227

Work Phone: (614) 549-7739

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 08202020-1

Submitted by: RFLAMB

Oracle

Report s_rpt138 v 1912-1

Service Request No.

2015106

2015106

Created Date: 08/20/2020 02:17 PM

CLOSEOUT INFORMATION

Start: 09/10/2020 09:09 A	AM Finish:	Completed:
Failure:	Repair:	Further Action:
Comments: Refer to SRMS# 08	202020-1	
Inspected By: LINK		Date: 20-AUG-20
Signoff By:		
Closed By: ESEMAN, MICHAEL		Date: 10-SEP-20
CALL HISTORY		
Call No: 2		Call Date: 08/20/2020 02:17:53PM
Comments: . BA SED ON RESP SEWER/MISCELLA		PE CHANGED FROM WATER/MISCELLANEOUS TO
Response:STATUS UPDATE		
Call Back: N Date:		
Caller Name:		
Caller Phone:	Ext:	
Call No: 1		Call Date: 08/20/2020 02:17:47PM
Comments: Service request type	pe w as changed from WATE	R/MISCELLANEOUS to SEWER/MISCELLANEOUS
Response:New SR Type		
Call Back: N Date:		
Caller Name:		
Caller Phone:	Ext:	

09 FEB 2021 01:28 PM

Service Request No.

2015481

2015481

Created Date: 08/26/2020 07:49 PM

Address:1735 TENDRIL CT

Suite: 0640

Cross Street:

WORK LOCATION

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST 640 (N) OHIO EPA WOULD LIKE TO KNOW IF THERE IS ANY PROBLEM FOUND IN STORM

SEWER BECAUSE A RESDENT FOUND/SEE WHITE SUBSTANCE IN THE CREEK BEHIND ABOVE ADDRESS, STORM WATER CREW HAS BEEN CALLED BY DISPATCHER TO CHECK OUT CREEK.

PER FRED JOHNSON A COMPLAINT CREW CAN ASSIST STORM WATER CREW

Requested Date:

Crew: GRAA1

Dept: SEWERMNT

Area: SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L.

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 08/26/2020 10:54:00PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ERWIN, TREVOR

Call Back: N

Address:

City: OHIO EPA

State:

Suite: Zip:

Work Phone: (614) 866-2484

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 08262020-1

Service Request No.

2015481

2015481

CLOSEOUT INFORMATION

Created Date: 08/26/2020 07:49 PM

Start: 08/26/2020 09:00 PM	Finish: 08/26/2020 11:0	00 PM	Completed:
Failure: YCONT	Repair:	Further Action:YNFI	
Comments: no script availablecuston Refer to S.R.M.S. 08262020	•	id his house it w as refe	ered to pre treatment.
Inspected By:grashel/w alters		Date: 26-AUG-20	
Signoff By:		Date:	
Closed By: JOHNSON, FRED L		Date: 27-AUG-20	

09 FEB 2021 10:16 AM

Service Request No.

2016599

Created Date: 09/13/2020 04:04 AM

2016599

WORK LOCATION

Address:522 GREENLAWN AVE

Suite: 0019

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: DIST#- 0019 - { 70w to 71 s greenlawn ramp NEAR 315} ----- 100 GALLOON GAS TANK SPILL,

REPORTED BY FIRE DEPT - (MABRY 614-221-2345 - CALL IF ANY QUESTIONS)

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/14/2020 01:16:38PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 09132020-1

Service Request No.

2016599

2016599

Created Date: 09/13/2020 04:04 AM

CLOSEOUT INFORMATION

Start: 09/13/2020 0	04:09 AM	Finish: 09/13/2020 06:3	80 AM	Completed: Y
Failure:	Repair:		Further Action:	
Comments: No fuel made S.R.M.S. #09	e into city assets,,all ODOT 1132020-1	assets to river, ODOT ar	nd Pro Tow in charge o	f cleanup. Refer to
Inspected By:Lamb			Date: 14-SEP-20	
Signoff By:			Date:	
Closed By: LAMB, ROBE	ERT F		Date: 14-SEP-20	
SPECIFICATIONS				
ID: 2014329 Cate	gory: DOSD WORK DAT	Type: SPILL	Title: SPILL DATA	

ID:	2014329	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
1	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEVING STRUCTURE#	
	35	RECEIVING WATERWAY?	

09 FEB 2021 01:24 PM

Service Request No.

2016830

Created Date: 09/15/2020 05:37 PM

2016830

WORK LOCATION

Address:1061 MCKINLEY AVE

Suite: 0009

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: DIST#0009 - firehouse called in gases going into sew er from a fire.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/16/2020 09:07:26AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

- D

, ,

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 09152020-1

Service Request No.

2016830

2016830

Created Date: 09/15/2020 05:37 PM

CLOSEOUT	INFORMATION				
Star	t: 09/15/2020 05:40 PM		Finish: 09/15/2020	08:30 PM	Completed: Y
Failure	ə:	_ Repair: _		Further Action	1:
Comments	: Discharge was stopped v	when we arr	ivedfirefighting acti	vity. Refer to S.R.M.S	6. report number 09152020-1
Inspected By	y:Lamb			Date: 16-SEP-2	20
Signoff B	y:			Date:	
Closed By	: LAMB, ROBERT F			Date: 16-SEP-2	20
SPECIFICAT	IONS				
ID: 2014342		WORK DAT	Type: SPILL	Title: SPILL	DATA
Seq. No	o Attribute			Value	
5	SPILL AFFECTED AREA?				
10	CAUSE?				
15	CONTAINED Y				
20	STORMWATER NOTIFIED	(

25

30

35

EPA ON SITE Y

RECEIVING STRUCTURE#

RECEIVING WATERWAY?

16 FEB 2021 09:58 AM

Service Request No.

2017718

2017718

Created Date: 09/28/2020 06:37 PM

WORK LOCATION

Address: I-71 S

Cross Street:17TH AVE

City:

Suite: 0087

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-water spill; chemical, fuel, etc.

Problem Description: Dist.#: 87 - There was an accident on 71S, which involved a truck carrying 200 gallons of diesel fuel.

Ben was on his way to the scene, so he did not know how much fuel went into the sewer system.

Requested Date:

Crew:MOOT3

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: SCOTT, MARCIA R

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 09/28/2020 08:49:52PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

State:

REPORTED BY

Name: Ben

Call Back: N

Address: E.P.A.

Suite:

City:

Zip:

Work Phone: (614) 512-3508

Ext:

Home Phone:

Submitted by: RFLAMB

Oracle

16 FEB 2021 09:58 AM

SERVICE REQUEST REPORT

Service Request No.

2017718

2017718

Created Date: 09/28/2020 06:37 PM

CLOSEOUT INFORMATION

Start: 09/28/2020 06:15 PM	Finish: 09/28/2020 08:46 PM		Completed: Y	
Failure: YASSTAGNCY	Repair: YNFWN	Further Action:	· · · · · · · · · · · · · · · · · · ·	
Comments: Provided assistants to storm water dept. in semi crash on 71 south of hudson ave. with a diesel spill.				
Inspected By:Tmoore		Date: 28-SEP-20		
Signoff By:		Date:		
Closed By: JOHNSON, FRED L		Date: 30-SEP-20		

SPECIFICATIONS

ID:	2015825	Category: DOSD WORK DAT Type: SPILL	Title: SPILL DATA
	Seq. No	Attribute	Value
	5	SPILL AFFECTED AREA?	
	10	CAUSE?	
	15	CONTAINED Y	
	20	STORMWATER NOTIFIED Y	
	25	EPA ON SITE Y	
	30	RECEIVING STRUCTURE #	
	35	RECEIVING WATERWAY?	

09 FEB 2021 01:21 PM

Service Request No.

2018853

Created Date: 10/18/2020 12:12 PM

2018853

WORK LOCATION

Address:6144 BROAD ST W

Suite: 0351

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSIST - Assist another agency.

Problem Description: OK TO CLOSE WHEN WORK ORDER IS FINISHED. Dist.#: 351 - A Florida Company was doing some

directional boring and hit a force sewer main.

Requested Date:

Crew:STES1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: SCOTT, MARCIA R

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No: 2027702/01

Finished Date: 10/20/2020 03:02:05PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: Leyshon, Mike

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (614) 580-0069

Ext:

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 10182020-1

Service Request No.

2018853

Created Date: 10/18/2020 12:12 PM

2018853

CLOSEOUT INFORMATION

Start: 10/18/2020 12:30 PM

Finish: 10/18/2020 01:30 PM

Completed: Y

Failure: YASSTAGNCY

Repair: YSTANDBY

Further Action:YNFI

Comments: A PRIVATE COMPANY (FIBER-1 JERRY GARZA 305-495-9849 & LEAD CORE 512-878-7226 BOTH THESE'S COMPANY'S CALLED BIG TEST FOR CLEAN UP BUT NO SHOW AS OF 1:30 PM ON

10/18/2020 AND THE CONFURMATION # IS AZ29100243) HIT SA-12 FORCE MAIN WHICH IS LEAKING AGONG THE DITCH LINE OF W BROAD ST ON THE NORTH SIDE, OVERFLOW SIGN'S WAS PLACE FOR THE PUBLIC SAFTY AND THIS HAS REACHED THE ALTON DARBY CREEK AS WELL.STORM WATER CREW WAS CALLED IN AND LARRY LAMP WITH PUMP HOUSE WAS ALSO NOTIFIED OF THIS PROBLEM BOTH CONTRACTOR AND SUPERINTEND WAS ON SIGHT AND WAITING FOR STORM

WATER'S ARRIVAL. Refer to S.R.M.S.10182020-1

Inspected By: STEWART / CHAVIS

Closed By: GRIFFITH, MICHAEL A

Date: 18-OCT-20

Date: ____

Signoff By:___

Date: 04-NOV-20

Submitted by: RFLAMB

Oracle

09 F⊞ 2021 01:19 PM

Service Request No.

2019289

2019289

WORK LOCATION

Address: BANK ST

Suite: 0006

Cross Street:FRANKFORT ST

Created Date: 10/23/2020 12:35 PM

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description: DIST 6 (E) CITIZEN SEEN CONTRACTOR DUMPING UNUSED CONTRETE INTO THE N/E/C SEWER

DISPATCHER GAVE INFO TO BOB LAMB AND ALEKSANDR YAHNISKIY IN STORMWATER.

DISPATCHER CLOSED COMPLAINT.

Requested Date:

Crew:

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: WHITE, JANICE L

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 10/23/2020 12:44:29PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: ANONYMOUS

Call Back: N

Address:

Suite:

City:

State:

Zip:

Work Phone: (919) 376-9410

Ext:

Home Phone:

Refer to Illicit Discharge Investigation 10232020-2

Service Request No.

2019289 2019289

Created Date: 10/23/2020 12:35 PM

CLOSEOUT INFORMATION

Start: 10/23/2020 12:44 PM	Finish:	Comple	ted:
Failure:	Repair:	Further Action:	
Comments: Refer to S.R.M.S.102320	20-2		
Inspected By:		Date:	
Signoff By:		Date:	
Closed By: WHITE, JANICE L		Date: 23-OCT-20	
SPECIFICATIONS			
ID: 2017085 Category: DOSD	WORK DAT Type: SPILL	Title: SPILL DATA	
Seq. No Attribute		Value	
5 SPILL AFFECTED AREA?			
10 CAUSE?			
15 CONTAINED Y			
20 STORMWATER NOTIFIED	Υ		
25 EPA ON SITE Y			

30

35

RECEIVING STRUCTURE#

RECEIVING WATERWAY?

25 JAN 2021 11:19 AM

Service Request No.

2019965

2019965

WORK LOCATION

Address:534 WILSON AVE

Created Date: 11/04/2020 12:55 PM

Suite: 0015

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: DIST #0015 (S&E). SUMP PUMP IS PUMPING OUT SLUDGE AND RAW SEWAGE TO THE STREET

THAT LEADS TO COLE AND WILSON BUT IT IS SETTLING IN FRONT OF HER LOCATION STARTING

FROM 534 WILSON

Requested Date:

Crew:CHAR1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: DJREEDER

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 11/04/2020 01:54:11PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

i lottle i fiorie.

Tax ID:

REPORTED BY

Name: HOOD, SHEILA

Call Back: 0

Address: 556 WILSON AVE

Suite:

City: COLUMBUS

State: OH

Zip: 43205

Work Phone: (614) 230-2356

Ext:

Home Phone:

25 JAN 2021 11:19 AM

Service Request No.

2019965

2019965

CLOSEOUT INFORMATION

Created Date: 11/04/2020 12:55 PM

Start: 11/	/04/2020 01:05 PM	Finish: 11/04/2020 02:0	5 PM	Completed: Y
Failure: YN	ICF	Repair: YNFWN	Further Action:YNFI	
	ments: REFFERED TO DEPT. OF HEALTH FOR FOLLOW UP- Comb. Sew er @ R/O open w hen checked @ 0015C0542 & 0015S0541, no discharge to storm.			
Inspected By: CH	AVIS		Date: 04-NOV-20	
Signoff By:			Date;	
Closed By: LIN	IK, MICHAEL A		Date: 06-NOV-20	

25 JAN 2021 11:21 AM

Service Request No.

2020075 Z

2020075

Created Date: 11/06/2020 08:24 AM

WORK LOCATION

Address:534 WILSON AVE

Suite:

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YOTHP - Other problem not in codes.

Problem Description: . SEE SR 2011048002

CALLER STATES THE ENTIRE CURB AREA IS FULL OF FECES AND SHE WANTS IT CLEANED UP. THE STREET SMELLS, SHE'S STEPPING IN FECES, AND NONE OF THIS IS GOING TO DRAIN

ANYWHERE.

Requested Date:

Crew:LINM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: RSRAAB

Status: CLOSED

Call Back Ready: N

Customer Call Back: N

WO/Task No:

Finished Date: 11/06/2020 10:39:37AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: HOOD, SHELLA

Call Back: 0

Address: 556 WILSON AVE

Suite:

City: COLUMBUS

State: OH

Zip: 43205

Work Phone: (614) 230-2356

Ext:

Home Phone:

Service Request No.

2020075

2020075

CLOSEOUT INFORMATION

Created Date: 11/06/2020 08:24 AM

Start: 11/06/2020 09:29 AM	Finish: 11/06	/2020 10:36 AM	Completed: Y
Failure: YPDBINSP	Repair: YNFWN	Further Action	on:YNFAN
Comments: Onsite visit by SUP. II 11.0 curb, discharging from 534 DEPT. OF HEALTH, VIA PH	4 Wilson Ave. Storm Water		onfirmed raw waste water on nforcement. REFERRED TO
Inspected By:LINK		Date: 06-NO\	/-20
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 06-NOV	/-20

25 JAN 2021 10:23 AM

Service Request No.

2020806

2020806

Created Date: 11/16/2020 12:50 PM

WORK LOCATION

Address:1010 ROUSSEAU LN

Suite: 0279

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0279 (W). GUTTER AND STORM DRAIN CLOGGED BY TREE THE TREE LOCATED AT 1007

ROUSSEAU, HE STATES HE CANNOT HANDLE CLEANING UP AND OUT OF DRAIN LIKE HE USED TO. HE STATES BLOW OFF STREET AND COME ACROSS AND CLOG DRAIN ACROSS FROM

ADDRESS. PLEASE HELP. THANK YOU.

Requested Date:

Crew:VERS1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: DDSPARKS

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 11/16/2020 02:30:47PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name: CASTO, RALPH & CAROL

Call Back: 0

Address: 1010 ROUSSEAU LN

Suite:

City: COLUMBUS

State: OH

Zip: 43119

Work Phone: (614) 832-4801

Ext:

Ext:

Home Phone:

25 JAN 2021 10:23 AM

SERVICE REQUEST REPORT

Service Request No. 2020806

2020806

Created Date: 11/16/2020 12:50 PM

CLOSEOUT INFORMATION					
Start: 11/16/2020 12:59 PM	Finish: 11/16	Finish: 11/16/2020 02:00 PM			
Failure: YNCF	Repair: YNFWN	Further Actio	on:YNFAN		
Comments: NO CLOGGED DRAINS LARGE LEAF PILES IN FRONT OF THE INLETS LEAVES LOOK LIKE THEY WER RAKED UP TO THE INLETS NO TREE GROWING OUT OF INLET SMALL AMOUNT OF SHORT GRASS IN GRATE BETWEEB FRAME. NOT SEWER RELATED					
Inspected By: VERHAGE/DAVEY		Date: 16-NOV	′-20		
Signoff By:		Date:			
Closed By: LINK, MICHAEL A		Date: 03-DEC-	-20		

25 JAN 2021 10:24 AM

SERVICE REQUEST REPORT

Service Request No.

2021278

Created Date: 11/23/2020 07:41 AM

2021278

WORK LOCATION

Address:188 WESTWOOD RD

Suite: 0232

Cross Street:

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST #0232 (N) Zeller . ON-LINE REQUEST. Leaves are clogging gutter and storm drain.

Requested Date:

Crew:BOYM1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: MRLEWIS

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No:

Finished Date: 11/23/2020 08:49:23AM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back: N

Work Phone:

Ext:

Home Phone:

Company:

REPORTED BY

Name: NO CUSTOMER INFORMATION

Call Back: 0

Tax ID:

Address:

State:

Suite: Zip:

City: Work Phone:

Ext:

Home Phone:

25 JAN 2021 10:24 AM

Service Request No.

2021278

2021278

CLOSEOUT INFORMATION

Created Date: 11/23/2020 07:41 AM

Start: 11/23/2020 08:35 AM	Finish: 11/23/2020	Finish: 11/23/2020 09:05 AM	
Failure: YDIRTY	Repair: YREMOVED	Further Action:YNF	AN
Comments: The flooding at this location CB/Inlet was hand cleaned	•	ris LEAVES OVER. The C	B/INLET #T0375,
Inspected By:MBOYD		Date: 23-NOV-20	
Signoff By:		Date:	
Closed By: LINK, MICHAEL A		Date: 30-NOV-20	

Service Request No.

2022584

Created Date: 12/14/2020 10:59 AM

2022584

WORK LOCATION

Address: CALUMET ST

Suite: 0127

Cross Street: OLENTANGY ST

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YASSCLN - Assess need for cleaning.

Problem Description: DIST# 0127- (clintonville area) - a guy called in and said a w oman put a bed pillow down the manhole, he can see it but cant reach it to get it out. (he stated it w as the manhole that is on the NW side of the

bridge in the area, you should be able to see the pillow when you look down it.

Requested Date:

Crew: CHAR1

Dept: SEWERMNT

Area:SEWERS

Next Approver:

Dispatcher: BAXTER, CIERRA

Call Back Ready: N

Status: CLOSED

Customer Call Back: N

WO/Task No: 2032859/01

Finished Date: 12/14/2020 01:24:16PM

CUSTOMER INFORMATION

Customer ID:

Bill Customer: N

Name:

Customer Call Back; N

Work Phone:

Ext:

Home Phone:

Company:

Tax ID:

REPORTED BY

Name:

Call Back: N

Address:

State:

Suite: Zip:

City: Work Phone:

Ext:

Home Phone:

Service Request No.

2022584

2022584

Created Date: 12/14/2020 10:59 AM

CLOSEOUT INFORMATION					
Start: 12/14/2020 12:00 PM	Finish: 12/14/202	Finish: 12/14/2020 01:30 PM			
Failure: YDIRTY	Repair: YHNDCLND	Repair: YHNDCLND Further Action: YCLEAN			
hand due to excessiv	Comments: YFLOOD/CLN- The w ater had receded @ time of investigation.Catch basin # 0127T0829 needs cleaned be hand due to excessive debris. The CB/INLET # 0127T0829, located at the rear of 100 E.Arcadia Ave. CB/Inlet was hand cleaned by: with the leads shot by power cleaning vactor.				
Inspected By: CHAVIS		Date: 14-DE	C-20		
Signoff By:		Date:			
Closed By: GRIFFITH, MICHAEL A		Date: 18-DE	C-20		

Service Request No.

2022621

2022621

Created Date: 12/14/2020 05:27 PM

Crew:MOOT3 Area:SEWERS Requested Date: Dept: SEWERMNT Next Approver: Dispatcher: SCOTT, MARCIA R Call Back Ready: N Status: CLOSED Customer Call Back: N Finished Date: 12/15/2020 04:19:29PM WO/Task No: **CUSTOMER INFORMATION** Customer ID: Bill Customer: N Name: Customer Call Back: N Home Phone: Work Phone: Ext: Company: Tax ID: **REPORTED BY** Name: Green, Fire Fighter Call Back: N Address: C.F.D. Suite: City: State: Zip: Work Phone: (614) 221-2345 CLOSEOUT INFORMATION Ext: Home Phone: Start: 12/14/2020 05:32 PM Finish: 12/14/2020 07:30 PM Completed: Y Further Action: Failure: YCNTRDAMAG Repair: YNFWN Comments: contractor issue with bypass pump @ nelson park. Refer to S.R.M.S. 12142020-1 Date: 14-DEC-20 Inspected By:tmoore Signoff By:___ Date: ____ Closed By: JOHNSON, FRED L Date: 17-DEC-20

SPECIFICATIONS

ID:	2019464	Category: DOSD WORK DAT	Type: SPILL	Title: SPILL DATA	
	Seq. No	Attribute		Value	
	5	SPILL AFFECTED AREA?			
	10	CAUSE?			
	15	CONTAINED Y			
	20	STORMWATER NOTIFIED Y			
	25	EPA ON SITE Y			
	30	RECEIVING STRUCTURE#			

Submitted by: RFLAMB

Refer to Illicit Discharge Investigation 12142020-1

Oracle

09 FEB 2021 01:16 PM

Service Request No.

2022621

2022621

WORK LOCATION

Created Date: 12/14/2020 05:27 PM

Suite: 0059

Address: NELSON RD Cross Street: MARYLAND AVE

City:

State:

Zip:

Service Request TypeINVESTIGATE

Problem Code: YSPILL - Non-w ater spill; chemical, fuel, etc.

Problem Description:	
·	

Submitted by: RFLAMB

Oracle

Page 3 of 3

SERVICE REQUEST REPORT

09 FEB 2021 01:16 PM

Service Request No.

2022621

2022621

Created Date: 12/14/2020 05:27 PM

SPECIFICATIONS

ID:	2019464	Category: DOSD WORK DAT	Type: SPILL	Title: SPILL DATA	
	Seq. No	Attribute		Value	
	35	RECEIVING WATERWAY?			

Submitted by: RFLAMB

Oracle

		Acres
Plan Name	Plan #	Disturbed
Old Beechwold Blueprint SWS Imps	CC-18646	1011.00
FRA-270-51.50 270S @ US23		87.20
Hoover Farms Section 4 Parts 1 & 2	3688-E	78.25
Fra 70-22.61 70 East at 270 North RRx	Fra-70	75.70
Grandview Crossing Storm- Grandview Ave & Dublin Rd	CC-18859	57.35
FRA-71-14.36 Phase 6R	3598-E	33.20
Lawndale Commons on Long Road	CC-19024	32.79
Consumer Square East redevelopment, Storm	CC-18133	32.07
Twin Valley Behavioral Healthcare Hospital	CC-18883	30.50
Twin Valley Behavioral	CC-18882	30.40
Walnut Woods Section 1 & 2	E-3696	29.58
FRA-70-13.11, Proj. 4A Part 2	3084-E	27.10
Rickenbacker GLP Rail 1566	CC-18825	25.16
Columbus Crew Training Facility	CC-18728	25.00
Victoria Manor on Stelzer Road	CC-19071	23.93
5091 E. Walnut St Philips Farm	CC-18887	23.18
Cornerstone Village	CC-18876	22.04
Pleasant View Middle School 2767 Holt Road	CC-18890	21.71
Windmiller Pointe Apts	CC-18903	21.65
Andrew Reserve off Hamilton Road Ext.	CC-18926	21.30
Orchard Lakes Sect. 1 off Lehman Rd.	3737-E	20.05
West Campus (OSU) Phase 1 Parking	CC-18804	19.89
Meadows at Shannon Lakes, Sect 5 Pts 1 & 2	3729-E	19.73
Imprs. of Trabue Rd., from E. of I-270 & to W. of Trabue Run Road	E-3700	19.59
Columbus Impound Lot	CC-18914	18.42
510 Sunbury Road	CC-18606	17.68
Riggins Rd Apts. Ph. 2 e/o Avery Road	CC-19031	17.00
State Route 23 near Rathmill Rd.	FRA-23-4.19	16.14
Hoover Farms, Section 5	3735-E	15.60
Gender Road Apartments	CC-18735	15.46
Turnberry Farms Section 10	3707-E	15.46
Killarney Woods SI E. Broad w/o Taylor	3721-E	15.38
Cover my Meds Office Dev. Phase 2- at 911 John St.	CC-18868	14.40
Pro-Tow on Lockbourne Industrial Pkwy	CC-19052	14.33
Sophie Village at Abbie Trails Improvements, Phase 1 & 2	E-3699	14.26
Agler Road Warehouse w/o N Cassady	CC-19080	13.58
Eureka Fremont Blueprint Hilltop Project	CC-18597	12.72
Camden Industrial Park SI	3740-E	12.60
Camden Industrial Park on Camden Ave.	CC-19032	12.48
East Parking Lot (525 Nelson Rd.)	CC-18956	12.00
Columbus Crew MLS Stadium	CC-18852	11.83
Airside 5 on Bridgeway Ave	CC-18805	11.41
FC Correction Center - Continuation Ph	CC-19000	11.27
Lehman Park on Lehman Road	CC-18782	11.17

		Acres
Plan Name	Plan #	Disturbed
Coffey Road Parl & Recreation Field	CC-18867	10.76
Trails at Chatterton East Sect. 1, Part 3	3742-E	10.61
6450 Lasalle Drive Bilding Expansion	CC-18888	10.44
Prairie Township Sports Complex Phase 2	CC-18842	10.28
OSU Ambulatory Care Center on Kenny Road	CC-18856	10.22
Lyra Drive East Extension Phase 1	3481-E	10.00
Lehnert Farms Revisions	CC-17222	9.80
Parkside Section 2 on Ulry Road	3678-E	9.77
Roadway Imps. Little Turtle Way	3525-E	9.68
Crowne Point at 5960 W. Broad St	CC-18853	9.50
Paul Peterson Company on Scioto Darby	CC-18802	9.25
Walcutt Apts s/o Roberts Road	CC-18936	9.09
OSU Ambulatory Facility on Kenny Rd	CC-18810	8.65
Blacklick Creek Sanitary CIP 650034	CC-18989	8.63
Hamilton Quarter Spec Office	CC-18796	8.61
Andelyn off Arthur Adams Dr.	CC-19044	8.57
AY Manufacturing, LTD off Crosswind Dr.	CC-18843	8.55
Hamilton Road Extention Improvements	E-3690	8.54
Abbie Trails Storage on Gender Rd.	CC-19101	8.53
Andelyn, Arthur E. Adams Dr.	CC-18973	8.20
OSU Contractor Laydown Area on Woody Hayes Dr.	CC-18846	8.00
Blueprint Hilltop Project Palmetto/Westgate	CC-18633	7.67
WMC Inpatient Hospital Garage	CC-18976	7.58
AEP Bethel and Sawmill line rebuild	No plan #	7.30
Bolton Crossing Addition on Holt Rd	CC-18063	7.03
Galloway Extension& Galloway-Hilliard Removal	AEP	7.00
Amberfield at Big Walnut Part 3	E-3701	6.93
OSU West Campus Infrastructure on Kenny	CC-19027	6.79
Columbus Crew MLS Stadium Temp Gravel Lot	CC-19096	6.71
NCH Research building & Purple Garage	CC-18855	6.50
Homestead Senior Living on E. Broad	CC-18995	6.39
Homestead Senior Living on E. Broad	3733-E	6.39
Columbus Country Club off E Broad St	CC-18786	6.18
White Farms Road SI n/o Riggins Rd.	3679-E	6.05
Wexner Med Center Inpatient Tower Pre-grade	CC-18958	5.79
Scioto Peninsula Roadway Improvements Phase 1	3677-E	5.50
Scioto Darby and Walcutt Rd. SI Imps (Hilliard)	CIP T-76	5.45
Campus PARC on Kinnear Rd.	CC-18800	5.40
Refuse Station Imps on Georgesville Rd.	CC-19074	5.39
Vertex Refining on E. Fifth Ave	CC-19015	5.29
Vertex Refining on E. Fifth Ave	3736-E	5.29
Dublin Rd/Franz Rd 30" Water main	CT2234	5.19
Gravity 2.0 on McDowell St.	CC-18952	5.14
Alta Drive Storage	CC-18950	5.08

		Acres
Plan Name	Plan #	Disturbed
Maple Meadows on Maple Canyon Ave	CC19108	4.97
Hamilton Quarter Phse 2 Outparcel	CC-18964	4.96
Noise Wall Repairs on 315	FRA-315-7.13	4.90
FRA-70-21.33 Hamilton Rd @ I-70	3634-E	4.90
N. Hamilton on Warner Rd	3662-E	4.75
TSS Bioretention Basins (Blueprint) Linden	CC-19103	4.70
Touchstone Field Place on Lockbourne Rd	CC-19060	4.60
Hamilton Road Multi-Family	CC-18996	4.48
E. Broad and Hmilton (Whitehall)	FRA-16-6.87	4.43
DCM7 Delivery Station off Kingsmill Ct.	CC-18991	4.29
Cultivation Center on Hall Road	G&F	4.17
Dickenson Street Improve. w/o Civita Ave	E-3697	4.16
WMC Inpatient Hospital Tower Dropoff Area	CC-19074	3.98
North 4th Street (1206) 4th and 5th	CC-19113	3.96
Thompson Road Apts	CC-19045	3.81
Mt. Carmel Development Phase C on Hartford Ave	CC-19106	3.74
Cardinal Storage on Trabue Rd SI	3747-E	3.65
State Auto HQ on E Broad	CC-19059	3.54
Cardinal Storage on Trabue Rd	CC-19067	3.51
Hayden Run Retail- Storm	CC-18677	3.48
Hayden Run Road (East Side)	3660-E	3.48
Fra-161-Cable Barrier	161-18.63	3.47
Processing Plant on Bolton Field St	CC-18906	3.43
North Algonquin Avenue (220) Industrial Warehouse	CC-18834	3.41
OSU Interdisciplinary HS Center	CC-18835	3.40
Rogue Parking Lot on E 5th Avenue	CC-18783	3.21
T. Marzetti Packaging Expansion on Frank Rd.	CC-19105	3.21
NCH Research Builking 4	CC-18787	3.20
Linview Park Project Blueprint Linden PA	CC-18945	3.01
Interdisciplanary Research Facility	CC-18811	3.00
Sheetz 034 on Stelzer Road	CC-19087	2.99
OSU Area B 1503 Cannon Drive	CC-18706	2.94
Orange Barrel Media off McKinley	G&F	2.92
Rickenbacker Intermodal 24" Sanitary Sewer extention	CC-18863	2.90
ABCO Concrete Pumping on Jetway Blvd.	CC-19046	2.87
Roswell Drive Area Water Line Imps	CT2131	2.87
Capital Kia, Morse Road SI	3681-E	2.86
Aldi Store #10 on S. Hamilton Rd.	CC-18792	2.78
Hap Cremean WP Intake Structure & Low Head	CC-18957	2.69
The Bubbly Center on Central College	CC-18798	2.68
OSU Frank Stanton Vet Clinic on Coffey Rd	CC-18822	2.67
Vandalia Rentals on N. Wilson Road	CC-18944	2.66
Viaquest ICF Homes on Joi Ave	CC-19065	2.62
Creekside Place on Nelson Road	CC-18806	2.60

Plan Name Plan ## Disturbed Trabue Road to w/o Walcutt SI 3682-E 2.59 17abue and Walcutt Warehouse 3682-E 2.59 1899 Refugee Road- Warde & Burke Tunneling, storm CC-18849 2.44 Victoria Manor on Stelzer Road SI 3748-E 2.43 Jeffrey VI & VII (Phase 2) on Dickenson CC-19013 2.37 Maple Canyon (6261) Parking Lot CC-18974 2.30 McCord Middle School - 1500 Hard Road CC-18865 2.24 Sheetz on N. Hamilton and 161 CC-19022 2.21 Gas Station @ Bethel and Godown Rds CC-18940 2.17 Gas Station @ Bethel and Godown Rds CC-18836 2.05 Savvas Madison Commercial Development on E 17th CC-18836 2.05 Savvas Madison Commercial Development on E 17th CC-1874 2.04 S. High St., from n/o Rumsey Rd. to s/o Southgate Dr. E-3692 2.02 Savvas Madison Commercial Development on E 17th CC-18774 2.0 Sheitz 20 on Brice Road CC-18795 3.04 Hught St., from n/o Rumsey Rd. to s/o Southgate Dr. E-3692 2.0 </th <th></th> <th></th> <th>Acres</th>			Acres
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Grandview Crossing Offsite imps 3586-E 1.50	Grandview Crossing Offsite Imps	3586-E	1.50

		Acres
Plan Name	Plan #	Disturbed
Springhill Suites on Trabue and Rentra Dr.	CC-18992	1.50
AEP Morse Genoa Transmission Line	AEP 1590	1.46
SC Wash and Tan on Centennial Dr.	3720-E	1.44
SC Wash and Tan on Centennial Dr.	CC-18920	1.44
OSU Newton Hall Renovation & Additions	CC-18779	1.42
OSU, Hess Road e/o Kenny	CC-18915	1.36
Delille Oxygen Co. on Marion Road	CC-18985	1.36
Scioto Peninsula Re development	CC-18884	1.34
Dollar Tree on Silver Drive	CC-18978	1.34
Improvements of Kingsford Road	3665-E	1.33
Brooklyn Rd/Cleveland Ave. Home Sewage Treatment Systems Elimination		
Project, CIP	CC-18519	1.33
Grant Park Redevelopment Phase 4 at 1408 N. Grant	CC-18897	1.30
Gates Junction on West Broad	CC-18962	1.30
Mount Carmel Dev. Phase A on S. Hartford	CC-18791	1.27
Mount Carmel Dev. Phase A, 55 S. Hartford	CC-18791	1.27
Integrity Drive Trail Connector	CC-18902	1.25
Mango's Place New Albany off Albany Way Dr.	G&F	1.15
Smart Trucking Express LLC on Joyce Ave	CC-19095	1.15
Mangos Place- New Albany - Storm	CC-18861	1.14
Moo Moo Express Car Wash on E. Main St	CC-19017	1.08
Old Henderson Road (980)	CC-18984	1.06
East Fifth Ave (300) SI @ 5th and 6th St.	3738-E	1.05
East Fifth Ave (300) @ 5th and 6th St.	CC-19021	1.05
Tire Discounters on Hilliard Rome Rd	CC-19040	1.05
Mount Carmel Dev. Phase B on S. Hartford Ave.	CC-19072	1.05
Westside Early Childhood LC on Clarendon	3730-E	1.04
Kroger Fuel Center N593 on Morse Rd	CC-18769	1.00
Bank of America on W North Broadway	3675-E	1.00
Warner Rd w/o Hamilton SI (Turkey Hill)	3680-E	1.00
Warner Rd w/o Hamilton SI (Turkey Hill)	3680-E	1.00
E. Broad, Kelton, E. Oak, Fra.Park S. SI	3657-E	1.00
Chantry Drive SI	3686-E	1.00
East 11th Ave SI w/o N. Pearl Alley	3638-E	1.00
Chestershire Area Waterline Imps	CT3122	1.00
S. Hamilton Road Imps.	3689-E	1.00
Refugee Rd at Winchester Pike Intersection Imps	3527-E	1.00
Wendys on N. Hamilton Rd	CC-18942	1.00
Columbus Temple Renovation on Gateway Blvd	CC-18977	1.00
Sawmill Rd. SI on Banker Drive	3702-E	1.00
Knightsbridge Blvd and Jasonway Street Lighting	CIP-670853	1.00
East Broad St Street Lighting Imps	CIP-670851	1.00
FRA-40-20.10 Main and Hamilton	PID-110379	1.00
Homestead Drive Area Waterline Imps	Contract2129	1.00

2020 SWP3 Construction Plans Reviewed

		Acres
Plan Name	Plan #	Disturbed
Olentangy River Rd. over Linworth Run	SHA-CR9-11.62	1.00
Cable Barrier 161 Plain Twp and New Albany	FRA-161-18.63	1.00
Huntington National Bank on Gemini Place	CC-19054	1.00
Mock Road Area Waterline Imps	CT 2127	1.00
Barnett/E. Deshler Home Sewage TSEP	CC-19050	1.00
Edsel Ave. Area Water Line Imps	CT-2128	1.00
South Weyant Ave. Area Water Line Imps	CT-2121	1.00
Tim Hortons Fishinger Road	CC-18858	0.79
St Fancis Telecommunication Tower- 4171 Dresden St	CC-18655	0.69
Williams Road Storage Building, 2060-2062 Williams Road	CC-18898	0.58
Archer-Daniels-Midland Company 4260 Groves Road	CC-18848	0.58
1589 Georgesville Square Drive- Bank of America	CC-18879	0.31
NCH Orthopedic Center Parking Lot Mods- 479 Parsons	CC-18807	0.30
Kilbourne Street from Vine St. to Spruce St. Stage 1	A-1868	0.23
Tim Hortons at 1135 Dublin Road	CC-18866	0.23
OSU Aerospace Research Center, 2300 W. Case Road	CC-18899	0.18
Starling Parking Garage	CC-18857	0.09
1360 McKinley Ave, -Geer Gas storm Improvements	CC-18817	0.02
Lockbourne Rd Water Vault repair- DPU 690528-100003	DPU 690528-100003	0.01
Hudson St. Utility Relocation, W. of I-71 ramp & w. of Cleveland Ave.	E-3635	0.01
ODOT FRA/PEL 71-27.77 0.00 3661E	3661-E	*
Operation Sidewalks School Sidewalks Task 2 Ann St & 17th St	3644-E	*
Private Sanitary Sewers for Grandview Crossing, Grandview Heights	CC-18283	*

Project Name	WS	Plan #	# of visits
2J Supply	AC	CC-18604	8
3434 Livingston -The Livingston Branch library IMP	AC	CC-18515	2
6450 Lasalle Drive- Building Expansion	BW	CC-18888	6
Agler Road Imps	AC	3252-E	1
Brentwood Lake Apts.	BL	CC-18702	1
CKTC Buddhist Temple/645 Rich	SC	CC-18746	1
1000 East Dublin Granville Rd Storage Facility	AC	CC-18443	10
1110 N.Cassady	AC	CC-18426	5
1282 Essex Avenue	OL	CC-18546	7
1333 Fields Ave COTA	SC	CC-18468	5
15th & High Building B	OL	CC-18346	2
15th & High Phase 2 Detention #1	OL	CC-18154	2
15th & High Phase 2 Detention #2	OL	CC-18197	2
15th Avenue & High Street Redevelopment PH2	OL	3451-E	6
172 East North Broadway	OL	Single Family	9
176 East Weber Road	OL	Single Family	4
2295 LOCKBOURNE ROAD LTD	SC	No Plan	4
230 E.Long St. Apts	SC	CC-18169	5
255 South High Street	SC	CC-17688	14
265 State St.	SC	CC-18131	1
271 & 275 E. Greenwood Ave & 264 E. 4th Ave	OL	Single Family	3
2734 old coutright C&SG	BW	CC-17978	1
281 & 287 E. Greenwood Ave. and 268 & 286 E. 4th Ave	OL	Single Family	3
2851 Lazar Road	SC	No Plan	1
291 & 289 E. Greenwood Ave. and 288 & 294 E. 4th Ave. (rear)	OL	Single Family	3
306 E. Fourth Ave	OL	Single Family	4
315 / Broadway / Olentangy / Ramps-Project 2	OL	3439-E	6
315/Broadway/Olentangy/Ramps	OL	3402-E	5
3400 Morse Crossing - VSP	AC	CC-17507	1
3600 Enterprise Avenue Addition	SC	CC-18202	5
3600 Johnny Appleseed ct	AC	No Plan	3
361 Loeffler Ave	SC	CC-18054	1
385 Clinton Heights Avenue	OL	Single Family	4
3905 Sullivant Avenue	SC	CC-16883	11
3rd Avenue RR Bridge	OL	2931-E	8
4 X 5 Condominiums	OL	CC-17883	4
40 West First Avenue Apartments	OL	CC-17972	7
43 @ New Albany	BW	CC-18274	8
488 Reynolds Ave	SC	Single Family	4
500 West Broad Street	SC	CC-17617	5
510 Sunbury Rd	AC	CC-18657	10
525 N Nelson Rd	AC	CC-18606	3

Project Name	WS	Plan #	# of visits
5509 Sunbury Rd - MYC	BW	CC-16855	10
579 E. Second Ave.	SC	Single Family	1
582 E. Second Ave.	SC	Single Family	1
583 E. Second Ave.	SC	Single Family	1
589 E. Second Ave.	SC	Single Family	1
593 E. Second Ave.	SC	Single Family	1
599 E. Second Ave.	SC	Single Family	1
5th and Forsythe - 1300 Forythe Ave	OL	CC-18436	7
6450 Lasalle Drive 6 dock Expansion	BW	CC-18039	2
707 W Broad Street Demolition	SC	No Plan	11
7189 East Broad St Job	BL	CC-18544	1
7280 Lehman Rd	BL	CC-18782	1
800 N. High St.	OL	CC-17837	2
818 E. Main St Turner Const. Temp. Parking Lot	SC	CC-17637	1
840 Michigan Ave	OL	CC-18215	1
85 N High Dev Imps of N High St, W Long St, W Gay St	SC	3316-E	4
850 Harmon Avenue	SC	No Plan	11
882 South Front Street	SC	CC-17534	8
92. N. Fifth St.	SC	Single Family	2
934 E Gay St	SC	No Plan	1
95-113 E. 11th Ave.	OL	CC-18678	1
96 N. Fifth St.	SC	Single Family	1
966 S. High StCOLUMBUS MAENNERCHOR	SC	CC-18497	7
AAA Gandview Avenue	SC	CC-18125	13
Abbey Church Village	SC	CC-17421	1
Abbott Nutrition Building	OL	CC-18373	3
Acadia Healthcare	BW	CC-17838	10
AD Farrow Museum on West Broad (building permit)	SC	No Plan	6
Addison Woods	SC	CC-17686	4
AEP Car IR Building	SC	CC-18176	1
AEP Karl Road Station	AC	CC-18348	2
AEP Old Morrison	BW	G&F	1
AEP Old Morrison Stream Mitigation	BW	CC-18307	1
AEP Transmission Service Center	BW	CC-18211	11
Agler/Berrell Blueprint Linden Project CIP	AC	CC-18427	2
Airport Hilton Tru	AC	CC-18088	10
Airside IV	BW	CC-18085	12
Al Bordelon Truck Lot- 850 Frank	SC	No Plan	10
Aldi Store # 10	BW	C-18792	2
Alkire Run 2	BR	4463-D	3
All Trucks - Jatinder Bhangu Site	SC	CC-18603	4
All Trucks - Jatinder Bhangu Site In Active	SC	No Plan	7

Project Name	WS	Plan #	# of visits
Aloft Hotel - 1295 Olentangy River Road	OL	CC-18003	5
Alta Drive SI to Park Road	AC	3501-E	2
Alta Drive Storage Ph. 1 & 2	AC	CC-18950	1
Alta View Village	OL	2180-E	5
Alum Creek Dr@ Rohr Rd Imp	AC	E-3618	2
Alum Creek Subtrunk	AC	CC-16802	2
Alum Creek Topsoil	AC	NA	1
Alum Creek Trail Pedestrian/Bike Crossings	AC	3469-E	5
Alum Creek Trail Shepard Connector	AC	CC-18077	5
Am Add New Build Lots - Redevelopment	AC	Single Family	7
Amberfield @ Big Walnut (Sect. 1)	BW	4396-D,4436-D	4
Amerasource Bergen	BW	CC-18692	10
Amerco U-Haul Northland	OL	CC-18333	10
American Leak Detection	SC	CC-18325	11
American Self Storage	BL	CC-17459	8
Andrew Reserve CC-18926	RF	CC-18926	2
Arcadia Drive Area WL Imp.	OL	DOW - CIP	5
Arco Shook Rd.	BW	CC-18509	12
Art Van Outparcel	AC	CC-18163	3
Arts & College Prep Academy	BW	CC-18222	6
Ashton Point Section 2	SC	CC-18438	15
ASR Hamilton Morse to 161 contract 1	BW	3228-E	6
ASR Hamilton Morse to 161 contract 2	BW	3271-E	4
Atcheson Place Lofts	SC	CC-18836	3
Audubon Park	AC	CC-18042	2
Austin Place Extended Stay	SC	CC-17770	17
Auto Body on East Broad	BL	CC-18179	9
AutoZone Columbus OH6089 1745 Morse Rd	AC	CC-18719	6
Avant Dr & Harlem Rd SI	RF	3479-E	11
Avant Homes - Harlem Rd	RF	CC-18037	11
Avery Road Imp	SC	3554-E	10
Bank of America Gahanna	BW	CC-18636	2
Bank of America Hilliard	SC	CC-18676	2
Basinghall Road Imp	SC	3679-E	3
Battelle Hotel on East 5th	OL	CC-18354	6
Baxter House	BW	CC-18759	4
Baywood Hotel & Suites	AC	CC-18221	9
Bedford Place Phase 1 & 2	DY-BL	CC-14694	10
Belmont House	SC	CC-18052	7
Bethany Baptist Church	OL	CC-17928	8
Big Walnut Augmentation Rickenbacker	BW	CC-15311	7
Big Walnut Trail	BW	CC-18458	2

Project Name	WS	Plan #	# of visits
Bishop Watterson H.S. Field Renovation	OL	CC-18347	4
Blue Hippo- carwash	BL	CC-18496	12
Bob Boyd	OL	CC-18517	3
Bob Evans Restaurants	AC	CC-18445	4
Boys & Girls Clubs, 012 Cleveland Ave.	OL	CC-18730	2
Branch Library	AC	CC-18515	2
Brentwood Lake Apartments	BL	CC-18702	6
Brice Station@ Americana Pkwy	BL	CC-18476	12
Broadview North Apts.	OL	CC-18521	1
Brook Lane Extended Stay Hotel	SC	CC-17716	12
Brook Lane II	BD	CC-18683	11
Bryden Row	SC	CC-17866	8
Bubbly Center	BW	CC-18798	2
Budd Dairy on East 4th Avenue	OL	CC-18026	7
Burger King Winchester Pike	BW	CC-18607	8
Caldera House Columbus Pike	OL	CC-18245	4
Caldwell Automotive	AC	CC-18789	6
Camden Yard	SC	SC/G&F	6
Campus PARC on Kinnear Rd. (1121)	OL	CC-18800	1
Candlelite Lane Development	AC	CC-18107	13
Candlelite Lane SI	AC	3504-E	6
Canopy Hotel	SC	CC-17670	1
Capital KIA - 3445 Morse Rd.	AC	CC-18528	7
Cargominium Dev.	AC	CC-17505	9
Carpenters Local Union 1909 Arlingate Lane	SC	CC-18473	11
Carr Supply	AC	CC-18489	9
Central College and Harlem Road	RF	3254-E	6
Central College Condos	RF	CC-17933	9
Central Sterile Supply Sanitary	OL	CC-18381	8
Central Sterile Supply Water Service	OL	WL Plan	1
Certified Oil #491 at 5865 South High Street	SC	CC-18276	12
Certified Oil Gas Station on Ikea	AC	CC-18216	4
Chambers Road (1145)	OL	CC-18765	1
Chambers Road Apartments	OL	CC-17 411	1
Champions Golf Course	AC	CC-18317	8
Chatterton Rd Improvement	LW	3540-E	2
Chelsea Glen Commercial Parcels	GC	CC-14626	8
Chelsea Glen Retail 2	BL	CC-18889	1
Chemical Abstracts Services PL Exp	OL	CC-18389	4
Chili's - 5990 N. Hamilton Rd.	RF	CC-18423	5
Chilis Gemini Place- Polaris	AC	CC-18424	4

Project Name	WS	Plan #	# of visits
Chipotle on South High St	SC	CC-18734	3
Christian Center Resto	AC	CC-14451	1
Civitas Ave SI	SC	3603-E	6
Cleveland Ave. Apts.	SC	CC-18224	5
Cloumbis Gas Work on W. Fifth Ave	OL	NA	2
CMHA Ohio Townhomes on Brentnell	AC	CC-18210	8
CN Express	SC	CC-18149	11
Cobbleton	BL	CC-13202	2
COC Traffic Signal System - Danbert	OL	3450-E	1
Coca Cola	AC	CC-15823	7
COF Academy	AC	CC-18219	2
College Road Infrastructure	OL	ENGIE Plan	6
Collins Dr Si	AC	E-3614	2
Columbus Country Club	BW	CC-18786	8
Columbus Crew MLS Stadium	OL	CC-18646	20
Columbus Gas Work on W. Fifth Ave	OL	NA	1
Columbus Metropolitan Library Hilltop Branch Addition	SC	CC-18724	5
Columbus Space	BW	CC-17257	1
Comfort Suites on Hutchinson Avenue	OL	CC-18191	10
Confluence Park SI	OL	3630-E	6
CONRAC - JGIA	BW	CC-17987	11
Consummer SquareEast	BL	CC-18133	13
Cornerstone Village	SC	CC-18876	1
COTA Fields Ave Facility Reno	OL	CC-18468	1
Cottages At Warner	RF	CC-17624	1
Courtyards at Riverside Drive	SC	CC-18365	12
Cover My Meds	SC	CC-18400	13
Creekside Place	AC	CC-18806	7
Cremation Center	AC	CC-18405	1
Crescent Run	BR	CC-17412	10
Cretor Plumbing	BL	CC-18331	9
Crew Practice Facility	OL	CC-18728	2
Crossing at Grove City Apartments	SC	CC-18059	16
Crossings at Rocky Fork, Section 1	BW	3464-E	11
Crossings at Rocky Fork, Section 2 & 3	BW	3541-E	11
Crown Pointe	SC	CC-18853	1
CSCC School of Hosp. Mgmt. & C. Art	SC	CC-18008	2
DCM7 Delivery Station	OL	CC-18991	2
Dellie Oxygen Co.	SC	CC-18985	2
Demorest Townhomes	BR	CC-18682	1
Dennis Hyundai	OL	CC-18518	3
Dennis Koon Office Building	BW	CC-18249	9

Project Name	WS	Plan #	# of visits
Dent Solutions	BW	CC-17014	1
Dixon House	SC	CC-18727	10
Dollar General	AC	CC-18641	1
Dollar Tree on Silver Drive (2391)	OL	CC-18978	1
Dorchester Section 5 with 4 & 2	BL	3393-E	15
Dormatory Dev Norwich (200) Multi-Family	OL	CC-17804	4
Dorothys Pond	BL	CC-13037	2
DPS Material Storage on East 25th	AC	CC-18269	8
Drury Inn & Suites Polaris	AC	CC-18068	10
Dublin Granville Rd CIP	RF	3449-E	6
Dublin Road & Old Dublin Road Street Imp.	SC	3372-E	4
Dublin Road Water Plant	SC	CC-17806	12
E. 11th Ave Improvements	OL	3638-E	1
E. Broad St. (750) Mixed Use	SC	CC-18666	1
E. Broad St. Improvement - Richmond Reserve	BL	3620-E	2
E. Fifth Ave (307 E.)	OL	CC-17823	2
E. Hubbard & Pearl	OL	3432-E	5
E. Long, Neilston St, E. Lafayette SI	SC	3609-E	5
E. Long, N. 5th, Lafayette, & Neilston SI	SC	3495-E	5
E. Park, Spruce & Armstrong SI	SC	3409-E	2
E.Long St. 818	SC	CC-18500	7
E.Main St & S. Ashburton Rd	AC	E-3617	2
E.Main St. & James rd	AC	E-3427	1
Eagle Trace	BW	CC-17730	12
Eagle Trace, Section 1 & 2 (Mass Ex.)	BW	CC-17717	12
Earl Ave	AC	CC-18796	1
East Block Residential @ Easton TC, Phase 3	BW	CC-18697	7
East Fifth Avenue Retail Buildings A & B	SC	CC-18293	3
East Landings Sect 1 Parts 1&2	BW	2022-E	3
East Main St Decorative Light impro	AC	"13E0220"	4
East Parking lot at 525 Sunbury	AC	CC-18956	6
East State Street (265)	SC	CC-18131	10
East State Street (265) SI	SC	3493-E	10
Easton Loop SI	BW	3460-E	8
Easton Square Place	BW	CC-18555	4
Easton TC - Aloft Hotel	BW	CC-18384	8
Easton TC PH3	BW	cc-18010	9
Easton TC PH3 (Parcel 30)	BW	CC-18501	10
Easton TC PH3 Mid-Town	BW	CC-18259	5
Eastpointe Church on Waggoner	BL	CC-18247	8
Eastwood,Broad Woodland SI	AC	E-3472	1
Emanuel Chin Baptist Church	BR	CC-17548	1

Project Name	WS	Plan #	# of visits
Emanuel Chin Baptist Church Phase 2	BD	CC-18929	2
Emerson Park	RF	CC-17426	10
Enterprise Rent-A-Car	OL	CC-18712	6
Enviro-Recycling - Bonham Av	OL	SWP3/CC-18416	7
FAI-CR7-1.57 (Refugee Road)	BL	3270-E	7
Fairfield County - Refugee Road	BL	FAI- 1.57	7
Fairfield Inn	BW	CC-18153	7
Fairway Blvd. Condos	BW	CC-17898	9
Fenimore on Central College	BW	CC-17939	5
Fields Ave SI	SC	3595-E	2
Fine Line Auto Body	SC	CC-18466	10
Fire Station #35	BL	CC-15193	7
First Community Church North Campus	SC	CC-17849	5
Five14 Church	BW	CC-18232	7
Food Fort	AC	CC-18257	3
Former Columbia Gas Work (W. 5th Ave.)	OL	NA	1
Forsythe, Highland and Alleys SI	OL	3614-E	7
Founders Park Mass Grade & Fill	OL	CC-18305	2
Founders Park Storm	OL	CC-18332	8
Fourth and Hamlet Condo	OL	CC-18492	6
FRA 315-06.37 SR315 Offsite SCPZ M.	OL	CC-18439	2
FRA -71 21.26 Ramp to Silver Dr. @ Hudson Dr.	AC	3549-E	1
FRA Johnstown Rd Alum Creek Trail	AC	3438-E / P&R SWP3	4
Franklin County Correction Facility	SC	CC-17794	15
Franklin County Forensic Science Center	SC	CC-18113	16
Franklin Medical Center	SC	CC-18087	3
Franklin Park Cascades	AC	CC-18523	2
Franklin, The on East Broad	AC	CC-18023	4
Friendship Village	SC	CC-17799	2
Frito-Lay Parking on Broughton	BL	CC-18336	8
Fruit of the Spirit SDA Church	AC	CC-17327	10
Gantz Road Storage Facility	SC	CC-18252	14
Gateway Lofts	SC	CC-17643	12
GCCC Parking Garage Exp.	OL	CC-18255	1
	SC	CC-18255	5
Gemini Place @ Costco	AC	3482-E	1
Gender Road Apartments	BW	CC-18735	2
Gender Road Public Storage	BW	CC-17753	12
Generations Pass & Edgar Waldo Way	OL	3510-E	6
Germain Mazda on Morse	BW	CC-18714	2
GiGi's Dog Shelter part 1	GC	CC-17941	1
GiGi's Expansion	BW	CC-18538	12

Project Name	WS	Plan #	# of visits
Graceland Flats	OL	CC-17422	10
Graduate Columbus - 750 N. High St	OL	CC-18082	2
Grandview Crossing	SC	CC-18315	14
Grandview Heights Service Center	SC	CC-18235	13
Grant Apts	SC	CC-18715	2
Grant Park Houses (Indiv Lots)	OL	Single Family	4
Grant Park Redev., Ph. 2	OL	CC-18495	9
Grant Park Redev., Ph. 3	OL	CC-17948	9
Grant Park Redev., Ph. 4	OL	CC-18672	9
Grant Park Redev., Ph. 4 - East	OL	CC-18897	1
Grant Park Redevelopment	OL	G & F	8
Grant,Oak ,Capital SI	SC	E-3656	2
Gravity 2	SC	CC-18548	6
Gray Gables Realty, 1519-1523 Olentangy River Rd	OL	CC-18643	1
Groveport logistics Hub	WC	CC-18186	13
Hamilton @ Central College	BW	3431-E	7
Hamilton and Briarwood Ave. Imp	AC	3623-E	2
Hamilton Avenue Imp	AC	3611-E	1
Hamilton Parker Development on Vine St	SC	CC-18663	7
Hamilton Qtr Flats (Phase 1)	BW	CC-17440	12
Hamilton Qtr Flats (Phase 2 -san)	BW	CC-18308	8
Hamilton Qtr Flats Sub Area 6 - Mass Excav	RF	CC-18135	7
Hamilton Qtr Retail/Target - Mass Excav	RF	CC-18166	13
Hamilton Qtr Retail/Target - Sanitary	RF	CC-18174	7
Hamilton Qtr Retail/Target - Storm	RF	CC-18220	10
Hamilton Quarter - Area Basin 100 G&F	RF	SC16670-00002	11
Hamilton Quarter FSED	RF	CC-17757	8
Hamilton Quarter Outparcels	BW	CC-18447	7
Hamilton Rd	BL	E-3303	1
Hamilton Road @ 161 SI	BW	3560-E	4
Harlow	SC	CC-18226	10
Harlow - Street Improvements	SC	3517-E	2
Hayden Run Aerial Sewer	SC	CC-18340	7
Hayden Run Retail	SC	CC-18677	2
HCWP Concrete Rehab	BW	Secured	1
HCWP Standby Power Best Management Practices	BW	Secured	4
Healthy Community Way Slyn Run	OL	CC-18143	9
Healthy Eating Dining	BW	CC-18798	4
Healthy Pets	SC	CC-18659	2
Henderson Road Residences	SC	CC-18074	8
Hensel Ready Mix	BW	CC-16853	10
Hilton Garden Inn (4831 Sunbury Rd)	AC	CC-18360	8

Project Name	WS	Plan #	# of visits
Hilton Home 2	SC	CC-18120	12
Hilton Hotel 2.0	SC	CC-18675	2
Homestead Senior Living	BL	E-3733	1
Hoover Farms Grade and Fill	BW	G & F	6
Hoover Farms Section 2-F	BW	19670-00009	6
HQ Casey's General Store	BW	CC-18795	4
HQ Spec Office CC-18796	BW	CC-18796	7
HQ Starbucks	BW	CC-18913	4
Hugh White Honda	SC	CC-18380	12
Hunters Glen Section 1	LW	3301-E	9
Hunters Glen Section 2	LW	3435-E	9
Hyatt Place on Polaris Parkway	AC	CC-18178	10
Imps N High St Ph3 (W Starr to W. King)	SC	3385-E	5
Imps N High St Phase 4 (Short North SID PH4 - King to 9th Ave)	SC	3327-E	5
Imps of Medina Ave from Hudson to Briarwood	OL	3570-E	1
Indian Mound Community Center	SC	CC-18030	12
Indianola Avenue Redevelopment	OL	CC-17601	1
Ingleside Avenue (871)	OL	CC-17656	4
Inverness Place Imp.	BW	E-3591	7
James rd @ Livingston av	AC	E-3500	1
James Rd CIP	BW	2979-Е	5
Jaqueline N	AC	CC-18288	8
Jaqueline S	AC	CC-18310	8
Jeffrey Park MSMS Reconfiguration	SC	CC-18285	8
Jeffrey Park PH 3	SC	CC-16683	7
Jeffrey Park Phase 8	SC	CC-18372	7
Jeffrey Park PT 2	SC	3155-E	5
Jeffrey Phase IV	SC	CC-16683	7
Jeffrey Place VI & VII	SC	CC-18652	7
JP Morgan Chase	BW	CC-18410	1
Karl Road Library	AC	CC-18680	7
Kenlawn Place	AC	CC-18696	6
King-Lincoln SI	SC	E-3640	1
Kingsmill Pkwy Det. Center	OL	CC-18435	1
Kinnear Rd Improvement	OL	3709-E	1
KIPP School Athletic Field	AC	CC-18096	2
Kokosing CC Storage Building	AC	CC-18240	7
Kroger Fuel Center # 593 on Morse Rd	AC	CC-18769	10
Lane Woods	SC	CC-12360	10
Laurel Healthcare	BR	CC-18019	4
Lazelle Road Ph. A	OL	3168-E	10
Lazelle Road Ph. B	OL	3023-E	10

Project Name	ws	Plan #	# of visits
Lazelle Road Ph. C	AC	3169-E	10
Lee's RV Storage Addition	OL	CC-18295	4
Legacy Village Homes on E Broad St	AC	CC-17867	8
Library Park Apartments on Oak	SC	CC-18318	9
Library Park Sidewalks & Street	SC	E-3547	3
Lincoln at Pearl Apts. & Garage	OL	CC-17965	7
Linden Park Recreation Center	AC	CC-18392	10
Linworth Baptist Church	OL	CC-18731	1
Little Turtle Apartments	BW	CC-17937	12
Little Turtle Condos	BW	CC-17868	11
Little Turtle Golf Course and Fitness Facility	BW	CC-18078	11
Livingston Ave CIP Phase B	AC	3259-E	2
Livingston Ave CIP Phase C	AC	3442-E	3
loeffler Ave. 361	AC	CC-18054	2
Loefler Residence	AC	CC-18771	2
Long & 3rd	SC	CC-18242	7
Luxe 23 on North High Street	OL	CC-18296	6
Luxe 88	OL	CC-18475	9
Lyra Drive Extension Ph. 1 & 2	AC	CC-18736	1
M Five Land PID 010 243275	BL	No Plan	1
Magnolia Trace Apts.	BW	CC-18340	11
Main Street IMP	BW	E-3304	1
Marble Cliff Quarry Development	SC	CC-18138	14
Mark Walker Warehouse	SC	CC-18502	7
Marsh Brook	LW	CC-18422	8
Masjid Oumar Al Parking Lot	BW	CC-15475	2
Matan Building	SC	CC-17357	13
Mayfair	RF	CC-17014	3
MBI Columbus on Buckeye Park	AC	CC-18554	8
McCord Middle School	OL	CC-18865	1
McCutcheon Crossing (single Family)	AC	Single Family	8
McDaniels Construction Inc. Office on Woodland	AC	CC-18630	5
McDonalds on Harrisburg Pike	SC	CC-18098	4
McNaughten-McKay 2255 Citygate	AC	CC-17585	2
Meadows @ Shannon Lakes Sec. 1	BC	4415-D	10
Meadows @ Shannon Lakes Sec. 2 & 3	BC	4437-D	10
Meijer Gas #058	SC	CC-18885	7
Menards on Hilliard Rome	SC	CC-17856	15
Metro Parks Marble Cliff Project	SC	CC-18431	2
Metroplolitan House On Hamilton	BW	CC-18742	2
Mews 2 on Normandy	SC	CC-17705	5
Michigan Avenue Apartments on Ingleside	OL	CC-17923	1

Project Name	WS	Plan #	# of visits
Mid-city Electric Building addition 975 eastwind dr	AC	No Plan	1
Mike Baumann Plumbing Inc.	SC	CC-18271	12
Minks Express Eastland(Inactive)	BW	No Plan	1
Moo Moo Carwash on S High	SC	CC-18617	5
Morgan East	AC	CC-17987	8
Morgan West	AC	CC-17988	8
Morse Rd and Sunbury Rd Imp	AC	3565-E	3
Morse Rd East of Trellis	BW	3543-E	2
Morse Rd FRA-CR317-4.96	BW	FRA-CR317	5
Morse Rd. AEP Station	BW	CC-18201	9
Morse Road Substation	OL	CC-18184	1
Motorist Topiary Park Housing	SC	3445-E	9
Motorists IS Topiary Park	SC	CC-17980	9
Mount Caramel East, NW PI	BL	CC-17372	14
Mount Carmel East S. Property Line	BW	CC-18089	1
Mount Carmel Renovations	SC	CC-18218	11
N. Fifth St. (E. Side)	SC	3629-E	1
N. Fourth Dev 875 N. Fourth St.	SC	CC-17994	7
N. High St. Improvements @ E. Tomkins SI	OL	3601-E	1
N. High St. Phase 2 (Short North SID PH2 - Poplar to Starr)	SC	3384-E	5
N.Harding @ E. Broad St	AC	E-3511	2
NACO	BW	CC-17255	7
Nationwide Blvd & Hocking St	SC	3083-E	5
Nationwide Blvd Imp	SC	3287-E	1
NCH Behavioral Pavillion	SC	CC-17650	9
NCH Central Energy	SC	CC-17645	9
NCH Childcare Facility	SC	CC-18111	13
NCH Children's Crossroad Extension	SC	CC-17326	9
NCH Conf Facility & Data Center	SC	CC-18099	3
NCH Enabling Work	SC	CC-17968	9
NCH Hospital West Campus PL	SC	CC-18164	9
NCH lot E	SC	CC-18629	1
NCH Orthopedic Parking Lot	SC	CC-18807	2
NCH Research Bldn 4 & Purple Garage	SC	CC-18855	3
Neilston Street & E Long Street Garage 2019	SC	CC-18481	5
New Albany Rd West	RF	3180-E	1
New Fire Station 16	AC	CC-18326	10
New Mason - Neruda Ave	SC	CC-18238	7
Noble & E. Main St	AC	E-3517	1
Noe Bixby Dump- Murphy Development & Conie	BL	No Plan	5
Normandy Ave, N Sixth St, & Alley Improvements	SC	3370-E	5
Normandy Residences	SC	CC-18270	2

Project Name	WS	Plan #	# of visits
North Grove Single Family	SC	4442-D	10
North High Retail	OL	CC-18367	4
North High Street Imp	OL	3590-E	4
Northland Gate	AC	CC-18764	5
Norton Road @ Johnson Road	НВ	3399-E	5
Oak & Wilson Residences	AC	CC-18781	1
Oak St. (330)	SC	CC-17437	10
Oak St. Décor lighting	SC	E0220	1
ODOT Roberts Road FSMF	SC	CC-18060	5
OH Expo Cntr	OL	CC-18550	1
Ohio Brewing on East 2nd Ave.	SC	CC-18693	4
Ohio CAT on Walcutt	SC	CC-18262	14
Ohio Center Way Improvement	SC	3550-E	1
Ohio Expo Center - E. 17th (717)	OL	CC-18550	1
Ohio Health Neuro Wellness Center	OL	CC-18193	9
Old Hamilton Rd Improvements	BW	3358-E	1
Old Morrison Road Imps AEP	BW	3508-E	6
Olent. R R 24"Water Main	OL	DOW15-031	5
Olentangy Meadows Drive	OL	3522-E	4
Olentangy Reserve Place	OL	3426-E	4
Olentangy River Rd at W. N. Broadway	OL	3401-E	9
Olentangy Trail connector, Nationwide Blvd	OL	CC-18723	1
Olentangy Trail Imp	OL	3485-E	3
Optometry Clinic on Neil	OL	CC-18516	5
OSHP Academy Security Imp.	AC	CC-18454	6
OSU - Central Sterile Supply	OL	CC-18368	4
OSU - Contractor Laydown Area 894 Woody Hayes Dr.	OL	CC-18846	1
OSU - Frank Station Vet Clinic	OL	CC-18822	1
OSU - MOB Hamilton Quarter	RF	SC18760-00010	13
OSU - Ty Tucker Tennis Center	OL	CC-18640	9
OSU - WMC RAF PH1	RF	CC-18452	13
OSU Advanced Materials	OL	CC-18084	6
OSU Air Park Site Ph. 1	OL	CC-18385	10
OSU Ambulatory Facility - Storm Demo/Grading	OL	CC-18856	2
OSU Area B Trailers (Cannon Dr.)	OL	CC-18706	8
OSU Arts District	OL	CC-18524	6
OSU Arts District (site enabling)	OL	CC-18408	4
OSU Cannon Dr. Entry Wall	OL	OSU Plan	6
OSU Cannon Drive - SWP3	OL	CC-18287	9
OSU Don Scott Airport	OL	CC-18483	5
OSU East Hospitol West wing	AC	CC-18165	8
OSU Franklin County Extension Office	OL	CC-18053	4

Project Name	WS	Plan #	# of visits
OSU INTERDISCIPLINARY Research Facility	OL	CC-18811	2
OSU West Campus Inrastructure Phase 1	OL	CC-18804	1
OSU-Coffey Rd Sports center Improvement	OL	No Plan	1
Otto Beatty	SC	CC-17032	12
Panaera on Morse Road	AC	CC-18428	1
Panera - 6120 Sawmill	OL	CC-18695	9
Panera Bread on Orion	AC	CC-18616	9
Park & Spruce Hotel	SC	CC-17809	5
Parks Edge Condos	SC	CC-17226	9
Parkside Section 1 on Ulry Road	BW	3613-E	6
Parkside Section 2 on Ulry Road	BW	3678-E	6
Patrick Square	BL	CC-17552	1
Ped. Safety Impr. McGuffey & Duxberry	OL	3412-E	1
Perry St W. 5th Ave	OL	3561-E	8
Phillips Farms CC-18887	BW	CC-18887	1
Plaza at Hamilton Quarter	BW	CC-18644	7
Plaza on Norton Road	BR	CC-16733	9
Pleasant View Middle School	SC	CC-18890	3
Poindexter Ph 3	AC	CC-17864	11
Pointe at Polaris Ph. 2	AC	CC-18462	10
Polaris Amphitheater Fill Site	AC	CC-17441	11
Polaris Amphitheater Site SI	AC	CC-17744	9
Polaris Independent Living Facility	AC	CC-17709	10
Polaris Parkway Rehabilitation	AC	3221-E	10
Polaris Police Station	AC	CC-18124	10
Postle Hall Expansion on Neil	OL	CC-18006	4
Prairie Township Sports Complex	НВ	CC-17186	14
Preserve Crossing V	RF	CC-17894	1
Preston Hollow Section 1 & 2	RF	3388-E	11
Preston Hollow Section 3	RF	3506-E	11
Preston Hollow Section 4	RF	3558-E	10
Quarry Trails Development	SC	CC-18431	2
Rail court Global	BW	E-3573	1
Rail Court South	BW	CC-18421	12
Ravello	SC	CC-18399	11
Ravines @ McNaughton	BW	CC-13589	2
Reach The - on Goodale Ph 2	OL	CC-18215	11
Refectory	OL	CC-18642	1
Refugee Rd@ Fairwood Traffic signal	SC	E-3408	1
Renu Mechanical	AC	CC-18341	11
Reserve @ Sawmill Ravine	SC	CC-18268	3
Residence Inn	BW	CC-18159	9

Project Name	WS	Plan #	# of visits
Richmond Reserve	BL	CC-18544	7
Rick West 2&3	BW	CC-18467	13
Rickenbacker Global Logistics park	BW	CC-18825	1
Rickenbacker Global logistics Park	BW	E-3673	1
Riggins Road Cardinal Self Storage	SC	CC-18664	10
Riverside Trail Apartments	LW	CC-18266	13
RJP Enterprises	AC	CC-15227	1
Roadway Imps Creative Campus Ph 2	SC	3450-E	6
Roberts Road Outpost	SC	CC-18539	15
Rogue Fitness Parking Lot	SC	CC-17889	4
Rogue Parking Lot	OL	CC-18783	1
Rohr Rd @ Loves Truckstop SI	AC	E-3505	2
S. 6th St.@E.State St.	SC	E-3548	1
S. Hamilton Rd Retail	BW	CC-18766	1
S. Hamilton SI	BW	E-3689	2
Saint Catherine Church	AC	CC-18322	9
Sancus Blvd Imp	AC	3496-E	10
Savor Grocery on Hamilton	BW	CC-17908	1
Savor Motel	BW	CC-17915	1
Savvas Madison Commercial Development on E 17th	AC	CC-18774	1
Saw cut - for utility work Spring St	SC	NA	2
Scarborough Blvd. Site	BW	No Plan	1
Scholar House (CMHA)	AC	CC-18377	8
Schugel Trucking	SC	CC-17561	8
Scioto Communities on Obetz	SC	CC-17773	8
Scioto Peninsula Hotel	SC	CC-18823	4
Scioto Peninsula Office	SC	CC-18839	5
Scioto Peninsula South Site	SC	No Plan	1
Scioto Peninsula Storm & Water	SC	CC-18187	4
Sears Holdings	BW	CC-15185	1
Sharbot Apartment	AC	CC-17892	10
Shook Rd Imp.tyed with CC-18509	BW	E-3627	1
Shrim Farm Way	GC	E-2297	1
Silver Area Water Line Impr.	AC	DOW 15-031	1
Sinclair Road s/o Freeway Drive SI	OL	3544-E	10
Sinclair Road SI	OL	2913-E	7
Slane Farms (Subarea "A-C")	RF	CC-16805	1
Sophie Village At Abbie Trails	BL	3699-E	2
South Grant Ave Apartments at Oak	SC	CC-18715	1
South18th, Newton Street, & Stone Avenue	SC	3489-E	13
Southerly Wastewater Treatment Plant	SC	Secured	15
Spangler Rd Condos	AC	CC-14204	1

Project Name	WS	Plan #	# of visits
St. Francis Telecommunications Tower	AC	CC-18655	10
Starling Parking Garage	SC	CC-18857	1
Station 324	OL	CC-18102	1
Steffens-Schultz	BR	CC-18273	12
Sterling Innovations Campus Imp	SC	CC-18121	6
Straders Garden Center	BR	CC-17756	11
Summerlyn 6	BR	3275-E	17
Summit View Detention Basin	SC	CC-17971	1
Sunbury Springs (5850-5866 Sunbury)	BW	CC-18477	8
Sunpark Apartments on Alta Drive	OL	CC-18182	2
Supper Club on East 5th Avenue	OL	CC-18234	3
Sussex Place 1	SC	4416-D	14
Sussex Place 2	SC	2007-E	14
Sussex Place 3	SC	3564-E	6
Sweetwater	SC	3507-E	15
Swensons New Albany	BW	CC-18491	4
Swensons New Albany - SI	BW	3616-E	4
Teders Rental Properties	SC	CC-18649	4
Telhio Credit Union	AC	No Plan	6
Temple Israel	AC	CC-18137	8
Terrace Avenue & Broad Street Storm Improvements	SC	CC-16066	4
The Aubrey	SC	CC-18622	4
The Aubrey SI Summit, E 5th, Alley, Francis Pl.	SC	3645-E	1
The Avenue on Indianola	OL	CC-17601	8
The Burk	OL	CC-18556	2
The Burk in Linworth	OL	CC-18605	8
The Cove	BW	E-3580	19
The Edge at Polaris	AC	CC-18303	11
The Gemma	AC	CC-18158	8
The Livingston	SC	CC-18116	9
The View on Pavey Square	OL	CC-17706	5
Tim Hortons Fishinger Blvd	SC	CC-18858	6
Tomkins Studios	OL	CC-18470	5
Tomkins Townhouses	OL	CC-18542	5
Town Square Villages @ Shannon	BL	CC-13192	2
Trabue Rd. Bridge FRA	SC	E-3380	14
Traditions on East Broad	BW	CC-17572	10
Trails at Chatterton East, Section 1	LW	2216-E	9
Trails at Chatterton East, Section 1, Pt 2	LW	E-3647	2
Trautman Building	SC	CC-16692	12
Trevcor Business Center	BW	CC-18079	8
Trolley Barn	AC	CC-18625	10

Truenorth Shell Service Station at 8500 N. High Truenorth Shell Service Station Bethel Road SC CC-18469 3 Truro Station (loe Dirt) BW G&F 9 Turkey Hill #724 on Stelzer BW CC-18506 2 Turnberry Farms Section 8 BL 3446-E 12 Turnberry Farms Section 9 BL CC-18737 1 Twin Creeks Warehouse SC CC-18241 11 Twin Creeks Warehouse SC CC-18241 11 Twin Creeks Warehouse SC CC-18883 1 Unit Car Lot on Harrisburg Pike SC CC-1743 3 United Rentals United Rentals SC CC-18595 2 University City OL CC-18005 9 University City OL C-18005 9 University City OL C	Project Name	WS	Plan #	# of visits
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Village @ Abbie Trails, Section 2 BL 4404-D 11 Village @ Courtright Square AC CC-13438 2 Villages of Shannon Green BW 3512-E 10 Villas @ Swan Pointe BW CC-18632 13 Villas at Castleton SC CC-18323 10 W. Eleventh & Neil Sl OL 3602-E 4 W. Fifth Avenue (1319) Car Wash Sl OL 3604-E 1 W. Goodale St. Sl OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-17913 2 Waldron & Civitas Sl SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18604 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commo	Village @ Abbie Trails Sec 9,10	BL	3347-E	13
Village @ Courtright Square AC CC-13438 2 Villages of Shannon Green BW 3512-E 10 Villas @ Swan Pointe BW CC-18632 13 Villas at Castleton SC CC-18323 10 W. Eleventh & Neil SI OL 3602-E 4 W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendlys 5970 N Hamilton CC-18	Village @ Abbie Trails, Section 1	BL	4385-D	11
Villages of Shannon Green BW 3512-E 10 Villas @ Swan Pointe BW CC-18632 13 Villas at Castleton SC CC-18323 10 W. Eleventh & Neil SI OL 3602-E 4 W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Village @ Abbie Trails, Section 2	BL	4404-D	11
Villas @ Swan Pointe BW CC-18632 13 Villas at Castleton SC CC-18323 10 W. Eleventh & Neil SI OL 3602-E 4 W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Village @ Courtright Square	AC	CC-13438	2
Villas at Castleton SC CC-18323 10 W. Eleventh & Neil SI OL 3602-E 4 W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Villages of Shannon Green	BW	3512-E	10
W. Eleventh & Neil SI OL 3602-E 4 W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Villas @ Swan Pointe	BW	CC-18632	13
W. Fifth Avenue (1319) Car Wash SI OL 3604-E 1 W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Villas at Castleton	SC	CC-18323	10
W. Goodale St. SI OL 3559-E 5 W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	W. Eleventh & Neil SI	OL	3602-E	4
W. Third Ave. Imp. (Luxe 23 on N. High St.) OL 3545-E 6 Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	W. Fifth Avenue (1319) Car Wash SI	OL	3604-E	1
Walcutt Apartments SC CC-17913 2 Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	W. Goodale St. SI	OL	3559-E	5
Walcutt Road Warehouse SC CC-18203 10 Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	W. Third Ave. Imp. (Luxe 23 on N. High St.)	OL	3545-E	6
Waldron & Civitas SI SC 3295-E 7 Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Walcutt Apartments	SC	CC-17913	2
Wall St., W. First, W. Price Improvements OL 3443-E 7 Walnut Woods BW CC-18864 1 Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Walcutt Road Warehouse	SC	CC-18203	10
Walnut WoodsBWCC-188641Warehouse Parking Expansion off WilliamsBWCC-182237Warner Rd PH 2RF2766-E1Watpa ThavonBLCC-178777Wendler CommonsACCC-186093Wendys 5970 N Hamilton CC-18942BWCC-183082	Waldron & Civitas SI	SC	3295-E	7
Warehouse Parking Expansion off Williams BW CC-18223 7 Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Wall St., W. First, W. Price Improvements	OL	3443-E	7
Warner Rd PH 2 RF 2766-E 1 Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Walnut Woods	BW	CC-18864	1
Watpa Thavon BL CC-17877 7 Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Warehouse Parking Expansion off Williams	BW	CC-18223	7
Wendler Commons AC CC-18609 3 Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Warner Rd PH 2	RF	2766-E	1
Wendys 5970 N Hamilton CC-18942 BW CC-18308 2	Watpa Thavon	BL	CC-17877	7
·	Wendler Commons	AC	CC-18609	3
Wesley Woods PH 1 & 2 RF CC-17254 6	Wendys 5970 N Hamilton CC-18942	BW	CC-18308	2
•	Wesley Woods PH 1 & 2	RF	CC-17254	6

Project Name	WS	Plan #	# of visits
West Albany Crossing	BW	CC-18364	5
West Goodale (555)	OL	CC-18069	9
West Goodale (555) Mass Grade & Fill	OL	CC-17990	10
Westbelt Drive	SC	CC-17913	8
Westerville Rd N/O Ferris	AC	E-3562	4
Wexner Med. Cntr. Imp. Grg.	OL	CC-18432	8
Wexner Med. Cntr. Inp. Tower	OL	CC-18958	2
Wheatland Crossing Ph I	SC	CC-18419	13
Wheatland Crossing Ph II	SC	CC-18417	13
Whispering Creek Apartments	SC	CC-17920	13
Whispering Creek Apartments SI	SC	3437-E	13
White Castle / Goodale	OL	CC-17990	1
Windmiller Pointe	SC	CC-18903	3
Windsor Site - Dirt 4U, LLC	AC	CC-18261	8
Woodfield Park on Cassady Ave	AC	CC-18671	9
Woodlands Backyard Sports Dome	SC	CC-18277	12
Woodward Ave Detention Basin	AC	CC-17471	6
Woodward Ave San CIP 650570-100001	AC	CC-17291	9
Woodward Wildwood Woodnell Storm CIP	AC	CC-15722	9
Worth Ave Easton Loop East	BW	3568-E	6
Worthington Christian Ed Academy	AC	CC-18083	8
WOSU at 15th & High	OL	CC-18379	5
ZTA New Facility on E. 15th Ave.	OL	CC-18086	5

Drawing	Project Name	Approval Date
CC18676	BANK OF AMERICA HILLIARD 1742 HILLIARD ROME ROAD	1/9/2020
CC18726	DIXON HOUSE	1/9/2020
CC18734	CHIPOTLE RESTAURANT 3566 SOUTH HIGH STREET	1/13/2020
E3228	HAMILTON ROAD PHASE A CONTRACT 1 VIC/O MORSE ROAD	1/13/2020
E3271	HAMILTON ROAD PHASE A - CONTRACT 2	1/13/2020
E3639	CASSADY AVENUE VIC/O AIRPORT DRIVE	1/14/2020
CC18548	GRAVITY 2.0	1/15/2020
CC18685	WESTSIDE ACADEMY 4330 CLIME ROAD	1/15/2020
E3560	NORTH HAMILTON ROAD VIC/O WARNER ROAD	1/17/2020
CC18973	ANDELYN	1/19/2020
CC18614	GAY STREET APARTMENTS	1/21/2020
CC18626	JP MORGAN CHASE BANK	1/21/2020
CC18684	BANK OF AMERICA	1/21/2020
CC18618	BENTON COMMONS (WESTERVILLE)	1/27/2020
E3655	SIXTH AVENUE SIDEWALKS UNIVERSITY DISTRICT	1/27/2020
CC18192	SEWER LINE EXTENSION AREAS 4B, 4C AND 13 18-019-CIP	1/29/2020
CC18613	MEADOW GROVE ESTATES NORTH SECTIONS 4 & 5	1/29/2020
CC18668	THE COURTYARDS AT NEW ALBANY PHASE 2	1/29/2020
CC18669	HOOVER FARMS SUBTRUNK SEWER CIP 650016	1/29/2020
CC18707	SANITARY SEWER FOR POTH ROAD AND HAMILTON ROAD	1/29/2020
CC18719	AUTOZONE COLUMBUS OH6089	1/29/2020
CC18673	HOOVER FARMS SECTION 2 & 3	1/30/2020
CC18725	361 LOEFFLER AVENUE	1/31/2020
CC18727	DIXON HOUSE	1/31/2020
CC18738	EMMANUEL CHIN BAPTIST CHURCH PHASE 2 (SUPERSEDED BY 18929)	2/3/2020
E3618	ALUM CREEK DRIVE & ROHR ROAD	2/4/2020
CC18675	HILTON HOTEL 2.0	2/5/2020
E3556	CULVERT REPLACEMENT ON GODOWN ROAD	2/10/2020
CC18683	BROOK LANE II	2/12/2020
CC18710	GENDER ROAD APARTMENTS	2/12/2020
CC18765	1145 CHAMBERS ROAD	2/12/2020
CC18697	EAST BLOCK RESIDENTIAL EASTON TOWN CENTER PHASE 3	2/13/2020
CC18739	JIVA MED SPA	2/13/2020
E3570	MEDINA AVENUE	2/16/2020
CC18458	BIG WALNUT TRAIL	2/25/2020
CC18659	HEALTHY PETS 6488 HAYDEN RUN ROAD	2/26/2020
CC18740	METROPOLITAN HOUSE	2/26/2020
E3317	BARNETT RD, NORTH CHESTERFIELD RD, EAST NORTH BROADWAY, STEELE AVE, WICKLOW RD	2/26/2020
CC18645	THE RESIDENCES AT BROWN'S FARM PHASES 1 & 2	2/27/2020
CC18615	ICON VILLAS AT MCNAUGHTEN	2/28/2020
CC18666	750 EAST BROAD STREET DEVELOPMENT	2/28/2020
CC18625	TROLLEY BARN	2/29/2020
E3672	GALLOWAY ROAD AND HALL ROAD	3/3/2020
CC18486	INLAND PRODUCTS	3/5/2020
CC18639	525 NORTH NELSON ROAD	3/5/2020
CC18741	ST. FRANCIS DESALES HIGH SCHOOL	3/5/2020
CC18737	TURNBERRY FARMS SECTION 9	3/6/2020
E3477	MORSE ROAD (FRA-CR17-4.96)	3/6/2020
E3656	SOUTH GRANT AVENUE, OAK STREET AND EAST CAPITAL STREET	3/12/2020
E3669	TURNBERRY FARMS SECTION 9	3/12/2020
E3642	HOOVER FARMS SECTION 2 & 3	3/13/2020
CC18054	361 LOEFFLER AVENUE	3/16/2020
CC18701	DEMOREST TOWNHOMES	3/16/2020
CC18714	GERMAIN MAZDA OF COLUMBUS 4330 MORSE ROAD	3/16/2020
CC18715	SOUTH GRANT AVENUE APARTMENTS	3/16/2020
CC18751	BAXTER HOUSE	3/16/2020
CC18681	2882 LEWIS CENTRE WAY	3/18/2020
CC18824	LIVINGSTON AVENUE CULVERT REPAIR AND WATER LINE RELOCATION	3/18/2020
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	Flati Appioval List	
E3594	CHERRY BOTTOM ROAD (WEST SIDE)	3/19/2020
A1858	NEIGHBORHOOD SIDEWALK GAPS, NORTH LINDEN AND SOUTH LINDEN	3/20/2020
CC18682	DEMOREST ROAD 1900 DEMOREST ROAD	3/20/2020
CC18694	2235 SULLIVANT AVENUE PARKING LOT STORM INLET	3/20/2020
CC18705	554 EAST MAIN STREET	3/20/2020
CC18752	HAMILTON PARKER DEVELOPMENT	3/20/2020
CC18187	SCIOTO PENINSULA SANITARY, STORM & WATER IMPROVEMENTS CIP 650885-100001 & 690236	3/23/2020
CC18733	BUTLER FARMS SECTION 4 & 5	3/23/2020
E3653	NORTH HARTFORD AVENUE VIC/O MCKINLEY AVENUE	3/24/2020
CC18601	HAMILTON PARKER DEVELOPMENT PHASE 1	3/27/2020
CC18601	HAMILTON PARKER DEVELOPMENT PHASE 2	3/27/2020
E3630	CONFLUENCE VILLAGE PUBLIC INFRASTRUCTURE	3/30/2020
E3648	NATIONWIDE BOULEVARD WIDENING	3/30/2020
CC18721	THE FARMS AT JEFFERSON PHASE 3,4 & 5	4/1/2020
CC18783	ROGUE PARKING LOT	4/3/2020
CC18795	CASEYS GENERAL STORE	4/3/2020
CC18796	HAMILTON QUARTER SPEC OFFICE	4/3/2020
E3625	MCNAUGHTEN ROAD	4/3/2020
CC18696	KENLAWN PLACE	4/7/2020
CC18680	KARL ROAD LIBRARY	4/9/2020
CC18289	GLOBAL HEATH SERVICES	4/14/2020
CC18781	OAK AND WILSON RESIDENTS 1284 EAST OAK STREET	4/14/2020
CC18778	PARKS EDGE PHASE 3	4/15/2020
CC18812	COLUMMBUS METROPOLITAN LIBARY	4/15/2020
E3641	WEST BROAD STREET VIC/O HILLIARD-ROME ROAD	4/16/2020
E3650	DEMOREST ROAD & DEMOREST COVE COURT	4/16/2020
E3564	SUSSEX PLACE SECTION 3, PHASE 1 & 2	4/21/2020
CC18528	CAPITAL KIA	4/23/2020
CC18657	510 SUNBURY ROAD	4/23/2020
CC18828	WEST STATE STREET SANITARY SEWER IMPROVEMENTS	4/24/2020
CC18735	GENDER ROAD APARTMENTS	4/26/2020
CC18478	TARLTON MEADOWS WEST SECTION 3 PHASE 2A & B SECTION 4 PHASE 2A & B	4/27/2020
CC18758	27 WEST JENKINS AVENUE	4/27/2020
CC18764	NORTHLAND GATE	4/27/2020
CC18787	NATIONWIDE CHILDRENS HOSPITAL RESEARCH BUILDING 4	4/27/2020
CC18797	BUILDING 4 (NEW ALBANY)	4/27/2020
CC18816	FIELDHOUSE USA 1400 POLARIS PARKWAY	4/27/2020
CC18689	CONFLUENCE VILLAGE PUBLIC INFRASTRUCTURE DPS PROJECT 440105-100000	4/28/2020
CC18690	CONFLUENCE VILLAGE	4/28/2020
CC18699	SANITARY SEWER IMPROVEMENT PLAN W. STATE STREET AND MCDOWELL CIP 440104-100036	4/28/2020
CC18827	SANITARY SEWER IMPROVEMENT FOR RUSH ALLEY	4/28/2020
CC18527	CAPITAL KIA	5/4/2020
CC18677	HAYDEN RUN RETAIL	5/4/2020
CC18777	PARKS EDGE PHASE 3	5/4/2020
CC18817	EASTGATE COMMERCIAL PARK	5/4/2020
E3500	JAMES ROAD AT LIVINGSTON AVENUE	5/5/2020
E3638	EAST 11TH AVENUE	5/7/2020
CC18678	95-113 EAST 11TH AVENUE	5/8/2020
CC18704	OHIO STATE INTERDISCIPLINARY HEALTH SCIENCES CENTER 1645 NEIL AVENUE	5/8/2020
CC18742	METROPOLITAN HOUSE	5/8/2020
CC18804	WEST CAMPUS INFRASTRUCTURE PHASE 1	5/8/2020
CC18825	RICKENBACKER GLOBAL LOGISTICS PARK RAIL 1566	5/8/2020
CC18838	VALLEY INTERIORS OFFICE ADDITION	5/8/2020
CC18691	CENTURY ACRES PUMP STATION AND FORCE MAIN	5/12/2020
CC18759	BAXTER HOUSE	5/13/2020
CC18814	ANCHOR BAPTIST CHURCH	5/13/2020
CC18603	ALL TRUCKS INC.	5/15/2020
CC18832	HOOVER FARMS SECTION 4 PART 1	5/15/2020
CC18832	HOOVER FARMS SECTION 4 PART 2	5/15/2020
CC18770	WORTHINGTON GATEWAY SANITARY SEWER EXTENSION	5/19/2020

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E3565	MORSE ROAD AND SUNBURY ROAD	5/19/2020
E3608	LONG STREET AT JEFFERSON AVENUE	5/19/2020
E3688	HOOVER FARMS SECTION 4, PARTS 1&2	5/19/2020
CC18821	COVER MY MEDS PHASE 2	5/22/2020
CC18427	AGLER/BERRELL BLUEPRINT LINDEN PROJECT CIP 650870-100703	5/27/2020
CC18831	ALUM CREEK DRIVE & TOY ROAD SANITARY	5/27/2020
E3611	HAMILTON AVENUE (WEST)	5/27/2020
CC18776	PARKSIDE SECTION2	5/29/2020
CC18788	NATIONWIDE CHILDRENS HOSPITAL RESEARCH BUILDING 4	5/29/2020
CC18806	CREEKSIDE PLACE	5/29/2020
CC18820	CROWN POINTE	5/29/2020
CC18826	CREW TRAINING FACILITY	5/29/2020
CC18431	QUARRY TRAILS DEVELOPMENT PHASE 1	6/3/2020
CC18724	COLUMBUS METROPOLITAN LIBRARY HILLTOP BRANCH ADDITION	6/3/2020
CC18743	UNI CAR LOT	6/3/2020
CC18774 CC18789	SAVVAS MADISON CALDWELL AUTOMOTIVE	6/3/2020
CC18789 CC18800	CAMPUS PARC	6/3/2020 6/3/2020
CC18849	WARD & BURKE TUNNELING 1899 REFUGEE ROAD	6/3/2020
E3623	HAMILTON AVENUE AND BRIARWOOD AVENUE	6/3/2020
CC18728	COLUMBUS CREW TRAINING FACILITY	6/5/2020
CC17423	BEVELHYMER ROAD CHURCH	6/10/2020
CC17425	FOUNDERS PARK	6/11/2020
CC18860	CORNERSTONE VILLAGE	6/11/2020
CC18899	OSU AEROSPACE RESEARCH CENTER	6/11/2020
CC18822	OSU FRANK STANTON VET CLINIC	6/12/2020
CC17646	BLUEPRINT LINDEN OAKLAND PARK/MEDINA CIP 650870-100702	6/15/2020
CC18529	JACKSON PIKE WASTE WATER TREATMENT PLANT STORM IMPROVEMENTS CIP 650258-100001	6/15/2020
CC18744	FRANKLIN INTERNATIONAL POLY WEST 174 HOSACK STREET	6/16/2020
CC18807	NCH ORTHOPEDIC CENTER PARKING LOT MODIFICATIONS	6/16/2020
CC18877	GEER GAS	6/16/2020
CC18679	DUBLIN REHABILITATION INSTITUTE	6/17/2020
CC18731	LINWORTH BAPTIST CHURCH	6/23/2020
CC18801	MASON ANTHONY TRAINING ACADEMY	6/23/2020
CC18850	INN AT LIBRARY WAY (HILLIARD)	6/23/2020
CC18879	BANK OF AMERICA 1580 GEORGESVILLE ROAD	6/24/2020
CC18862	BEECH & SMITH'S MILL ROAD FUTURE DEVELOPMENT	6/25/2020
CC18892	SITE J INNOVATION CAMPUS WAY WEST	6/25/2020
CC17842	ARTANE-PARKWOOD INTEGRATED SOLUTIONS CIP NO. 650870-100704	6/29/2020
E3627	SHOOK ROAD	6/29/2020
CC18808	DUBLIN PARK COMPACTOR ENCLOSURE	7/6/2020
CC18868	COVER MY MEDS OFFICE DEVELOPMENT PHASE 2	7/7/2020
E3654	JOHN STREET	7/7/2020
CC18803	BROADWOOD APARTMENTS (WHITEHALL)	7/9/2020
E3698	KENNY ROAD (WEST SIDE)	7/9/2020
CC18661	P&W ROOFING	7/10/2020
E3509	WILSON AVENUE, WILLIAMS ROAD, SOUTH HIGH STREET	7/14/2020
E3529	OPERATION SAFEWALKS CELEBRATE ONE SIDEWALK HILLTOP BELVEDERE MOUND TO SULLIVANT	7/14/2020
CC18876	CORNERSTONE VILLAGE	7/15/2020
CC18772	SANITARY SEWERS FOR AIRBASE ROAD MADISON TOWNSHIP, PICKAWAY COUNTY	7/16/2020
CC18766	SOUTH HAMILTON ROAD RETAIL PROJECT	7/20/2020
CC18870	GERMAIN 3867 MORSE ROAD	7/20/2020
CC18871	PHILLIPS FARM SECTIONS 1 & 2	7/20/2020
CC18885	MEIJER GAS #058	7/20/2020
CC18888	BUILDING ADDITION 6450 LASALLE DRIVE	7/20/2020
CC18907	PRIVATE STORM SEWER FOR 32*48 PARKWOOD AVENUE	7/20/2020
CC18925	GROVEPORT LOGISTICS HUB PHASE 2 1280 LONDON GROVEPORT ROAD	7/20/2020
CC18199	LOWER OLENTANGY TUNNEL CIP 650724-100000	7/21/2020
CC18813	SITE J	7/21/2020
E3709	KINNEAR ROAD	7/21/2020

2020 Post-Construction BMP

Plan Approval List

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CC18324	CONTROLLED ENVIRONMENT FOOD RESEARCH PRODUCTION COMPLEX	7/27/2020
CC18635	CONTROLLED ENVIRONMENT FOOD RESEARCH PRODUCTION COMPLEX	7/27/2020
CC18736	LYRA DRIVE EXTENSION PHASE 1	7/27/2020
CC18809	GROVE CITY VILLAS (BEULAH PARK)(GROVE CITY)	7/27/2020
CC18810	OSU AMBULATORY FACILITY	7/27/2020
CC18836	ATCHESON PLACE LOFTS	7/27/2020
CC18869	SHEETZ ALUM CREEK DRIVE AND TOY ROAD	7/27/2020
CC18913	HAMILTON QUARTER STARBUCKS	7/27/2020
CC18670	SALTZGABER ROAD IMPROVEMENTS	7/29/2020
CC18864	WALNUT WOODS SECTION 1 & 2	7/30/2020
A1869	HINES ROAD VIC/ REFUGEE ROAD	8/4/2020
CC18865	MCCORD MIDDLE SCHOOL 1500 HAED ROAD	8/4/2020
CC18895	SOPHIE VILLAGE PART 1 & 2	8/4/2020
CC18929	EMMANUEL CHIN BAPTIST CHURCH PHASE 2	8/4/2020
CC18703	QUARRY TRAILS DEVELOPMENT PHASE 1 AND METROPARK	8/6/2020
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CC18769	KROGER FUEL STATION N593	8/6/2020
CC18811	INTERDISCIPLINARY RESEARCH FACILITY	8/6/2020
CC18852	COLUMBUS CREW MLS STADIUM	8/6/2020
CC18905	VALVOLINE INSTANT OIL CHANGE 3911 SOUTH HAMILTON ROAD	8/6/2020
CC18953	HANOVER PARK PHASE 1	8/6/2020
E3612	LEHMAN ROAD BRIDGE REPLACEMENT	8/6/2020
CC18917	CHIPOTLE 3870 SOUTH HAMILTON ROAD	8/7/2020
E3678	PARKSIDE SECTION 2	8/7/2020
CC18270	NORMANDY RESIDENCES	8/11/2020
CC18931	WALCUTT APRTMENTS 4875 ROBERTS ROAD	8/11/2020
CC18830		
	NAO 5/6 1500 BEECH ROAD	8/13/2020
E3519	NORMANDY AVENUE NORTH OF EAST GAY STREET AND EAST OF NORTH 5TH AVENUE	8/17/2020
CC18718	LEGACY MAINTENANCE SERVICES 2475 SCIOTO HARPER DRIVE	8/24/2020
CC18746	CKTC BUDDHIST TEMPLE	8/24/2020
CC18756	SANITARY SEWER IMPROVEMENTS LEHMAN PARK	8/24/2020
CC18857	STARLING PARKING GARAGE	8/24/2020
CC18859	GRANDVIEW CROSSING	8/24/2020
CC18883	TWIN VALLEY BEHAVIORAL HEALTHCARE HOSPITAL	8/24/2020
CC18887	PHILLIPS FARM PHASE 1 & 2	8/24/2020
CC18933	SCHUMAN'S MEATS PARKING ADDITION	8/24/2020
CC18936	WALCUTT APARTMENTS	8/24/2020
E3486	FRA-70/71-12.68/14.86 PROJECT 4R	8/24/2020
CC18858	TIM HORTONS 3711 FISHINGER BLVD.	8/26/2020
CC18898	WILLIAMS ROAD STORAGE BUILDING	8/26/2020
CC18956	EAST PARKING LOT 525 NELSON ROAD	8/26/2020
E3562	WESTERVILLE ROAD (EAST SIDE)	8/26/2020
E3701	AMBERFIELD AT BIG WALNUT SECTION 3	8/28/2020
CC18793	1050 NORTH 4TH STREET	8/31/2020
CC18842	PRAIRIE TOWNSHIP SPORTS COMPLEX PHASE 2	8/31/2020
CC18853	CROWN POINTE	8/31/2020
CC18866	TIM HORTONS 1135 DUBLIN ROAD	8/31/2020
CC18882	TWIN VALLEY BEHAVIORAL HEALTHCARE HOSPITAL REPLACEMENT 2200 WEST BROAD STREET	8/31/2020
CC18914	COLUMBUS IMPOUND LOT	8/31/2020
		8/31/2020
CC18949	NEW ALBANY AMPHITHEATER SANITARY SEWER ABANDONMENT PLAN	
E3664	TRABUE ROAD	8/31/2020
CC18141	REAL TIME CONTROL ALUM CREEK STORM TANK CIP 650009-100001	9/1/2020
CC18198	WEST ALBANY CROSSING	9/1/2020
CC18873	OSU AMBULATORY FACILITY	9/3/2020
CC18861	MANGO'S PLACE NEW ALBANY	9/9/2020
CC18890	PLEASANT VIEW MIDDLE SCHOOL	9/9/2020
CC18922	TURNBERRY FARMS SECTION 10	9/9/2020
CC18937	NATIONWIDE CHILDRENS HOSPITAL TIMKEN PARKING LOT EXPANSION	9/9/2020
CC18941	JOHN GLENN COLUMBUS INTERNATIONAL AIRPORT CONRAC	9/9/2020
CC18763	SANITARY SEWER IMPROVEMENTS FOR BLUESTONE SUBDIVISION	9/15/2020
	UNIVERSITY BOULEVARD PHASE 2	
CC18840	ONINFUSILI DOOFENAUD LUASE 7	9/15/2020

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CC18369	ABBIE TRAILS SELF STORAGE	9/17/2020
E3679	BASINGHALL ROAD	9/17/2020
E3481	LYRA DRIVE EXTENSION PHASE 1	9/18/2020
E3660	HAYDEN RUN RD (EAST SIDE)	9/18/2020
CC18780	PRIVATE STORM SEWERS FOR 1521 HARRISBURG PIKE	9/21/2020
CC18848	ARCHERS-DANIELS-MIDLAND COMPANY	9/21/2020
CC18856	OSU AMBULATORY FACILITY	9/21/2020
CC18896	ORANGE BARREL MEDIA SURFACE PARKING 243 NORTH HARTFORD AVENUE	9/21/2020
CC18942	WENDYS 5970 NORTH HAMILTON ROAD	9/21/2020
CC18959	32-48 PARKWOOD AVENUE SANITARY SEWER ABANONMENT PLAN	9/21/2020
CC18985	DELILLIE OXGEN COMPANY	9/21/2020
E3696	WALNUT WOODS SECTION 1 & 2	9/21/2020
CC18713	BEACON COMMINITIES-FRANKLIN MANOR SANITARY SEWER IMPROVEMENTS WEST PARK AVE SEWE	9/25/2020
CC18958	WEXNER MEDICAL CENTER INPATIENT TOWER PRE-GRADE	9/25/2020
E3681	MORSE ROAD (SOUTH SIDE) VIC/O SUNBURY ROAD	9/28/2020
E3584	MCKINLEY AVENUE AND SOUDER AVENUE	9/29/2020
CC18459	BUCKEYE AUTO TECH STORAGE LOT	9/30/2020
CC18785	SEEDS ROAD DEVELOPMENT	9/30/2020
CC18966	HIGH WATER ALLEY	9/30/2020
CC18799	AUTUMN GROVE SECTION 4 (GROVE CITY)	10/1/2020
CC18733	BRIARFIELD SANITARY SEWER IMPROVEMENT PLAN (JEFFERSON TOWNSHIP)	10/1/2020
CC18847 CC18963	THE FARMS AT JEFFERSON PHASE 6	10/1/2020
CC18894	OSU WMC OUTPATIENT CARE DUBLIN	10/2/2020
CC18951	TAYLOR ROAD CONDOMINIUMS AND APARTMENTS	10/2/2020
CC18730	BOYS & GIRLS CLUBS 1012 CLEVELAND AVENUE	10/6/2020
CC18794	THE OHIO STATE UNIVERSITY NEWTON HALL	10/6/2020
CC18833	THE OHIO STATE UNIVERSITY NEWTON HALL RENOVATION AND ADDITION	10/6/2020
CC18834	220 NORTH ALGONQUIN AVENUE	10/6/2020
CC18846	CONTRACTOR LAYDOWN AREA	10/6/2020
CC18855	NATIONWIDE CHILDRENS HOSPITAL RESEARCH BUILDING 4 & PURPLE GARAGE	10/6/2020
CC18863	RICKENBACKER INTERMODAL 24" SANITARY SEWER EXTENSION CIP 440116-100000	10/6/2020
CC18904	SANITARY SEWER EXTENSION FOR 2895 SOUTH HIGH STREET	10/6/2020
CC18930	BLACKLICK CREEK TRUNK SEWER PART 2B	10/6/2020
CC18952	GRAVITY 2.0	10/6/2020
CC18970	1775 HILLIARD ROME ROAD	10/6/2020
CC18979	HOMESTEAD SENIOR LIVING	10/6/2020
CC18723	OLENTANGY TRAIL ARENA DISTRICT CONNECTOR	10/12/2020
CC18903	WINDMILLER POINTE APARTMENTS 15 SHIP MILL	10/12/2020
CC18653	PROJECT DILLY (OBETZ)	10/13/2020
CC18700	DANA G. (BUCK) RINEHART PUBLIC UTILITIES COMPLEX	10/13/2020
CC18874	MORRISON FARMS EAST SECTION 5	10/13/2020
CC18893	THE COTTAGES AT BROWN'S FARM	10/13/2020
CC18991	DCM7 DELIVERY STATION	10/13/2020
E3586	GRANDVIEW CROSSING OFFSITE IMPROVEMENTS	10/16/2020
CC18962	GATES JUNCTION	10/19/2020
E3689	SOUTH HAMILTON ROAD	10/19/2020
E3707	TURNBERRY FARMS SECTION 10	10/19/2020
E3578	PEDESTRIAN SAFETY IMPROVEMENTS TORONTO STREET	10/23/2020
CC18792	ALDI STORE #10	10/27/2020
CC18919	MARCIO KAUFFMAN DEVELOPMENT	10/27/2020
CC18926	ANDREW RESERVE	10/27/2020
CC18995	HOMESTEAD SENIOR LIVING	10/27/2020
CC19018	HERC RENTALS	10/27/2020
CC18854	DANA G. "BUCK" RINEHART PUBLIC UTILITIES COMPLEX	10/28/2020
CC18897	GRANT PARK REDEVLOPMENT PHASE IV EAST	10/28/2020
E3671	CLEVELAND AVENUE AND GIBBARD AVENUE FOR BOYS AND GIRLS CLUB	10/28/2020
CC18698	SHOOK ROAD DRIVEWAY IMPROVEMENT PROJECT	10/20/2020
CC18935	OHIO STATE UNIVERSITY DODD PARKING GARAGE	10/30/2020
CC18775	AXIUM SANITARY SEWER EXTENSION 9005 SMITHS MILL ROAD	11/2/2020
CC18916	KENNY ROAD -OLD HENDERSON ROAD STORM SEWER CIP 611723-100000	11/3/2020
CC10310	REMAN NO. 10 DEPTIEMBERSON NO. 10 STORING SEWER OF STEELS TOUGHO	11/3/2020

CC18843	AY MANUFACTURING, LTD.	11/4/2020
CC18927	ANDREW RESERVE	11/4/2020
CC18978	DOLLAR TREE 2391 SILVER DRIVE	11/4/2020
CC18823	SCIOTO PENNINSULA HOTEL	11/5/2020
CC18839	SCIOTO PENNINSULA OFFICE	11/5/2020
CC18961	STARLING PARKING GARAGE	11/5/2020
E3527	FRA-CR14-1.99 REFUGEE ROAD AT WINCHESTER PIKE	11/9/2020
E3635	HUDSON UTILITY	11/9/2020
E3677	SCIOTO PENINSULA ROADWAY IMPROVEMENTS PHASE 1	11/11/2020
CC18504	REHABILITATION DESIGN FOR CENTER LARGE DIAMETER CONDITION ASSESSMENT CIP 650725-	11/13/2020
CC18619	FAITH LIFE CHURCH (NEW ALBANY)	11/13/2020
CC18620	FAITH LIFE CHURCH (NEW ALBANY)	11/13/2020
E3699	SOPHIE VILLAGE AT ABBIE TRAILS PARTS 1 & 2	11/13/2020
CC18798	THE BUBBLY CENTER	11/16/2020
CC18906	PROCESSING FACILITY AT 1225 BOLTONFIELD STREET	11/16/2020
CC18939	THE COURTYARDS AT MORSE CIRCLE (JEFFERSON TOWNSHIP/FRANKLIN COUNTY)	11/16/2020
CC18939	THE COURTYARDS AT MORSE CIRCLE	11/16/2020
CC18950	ALTA DRIVE STORAGE PHASE 1 AND 2	11/16/2020
CC18993	GATES JUNCTION	11/16/2020
CC18996	HAMILTON ROAD MULTI-FAMILY	11/16/2020
CC18997	HAMILTON ROAD MULTI-FAMILY	11/16/2020
E3673	SCIOTO DARBY RD & WALCUTT RD IMPS	11/17/2020
CC18923	WINDMILLER POINTE APARTMENTS	11/18/2020
E3733	E BROAD ST (N SIDE)	11/19/2020
CC18364	WEST ALBANY CROSSING	11/25/2020
CC18878	THE MEADOWS AT SHANNON LAKE SECTION 5 PART 1 & PART 2	11/25/2020
CC18968	WARNER JUNCTION	11/25/2020
CC19006	THE COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY SANITARY SEWER PLAN 2020	11/25/2020
CC19017	MOO MOO EXPRESS CAR WASH	11/25/2020
CC19047	THOMPSON ROAD APARTMENTS	11/25/2020
CC18837	HIDDEN MEADOWS (GROVE CITY)	12/3/2020
CC18977	COLUMBUS TEMPLE RENOVATION	12/3/2020
CC19037	LAND GRANT BEER GARDEN	12/3/2020
E3640	LONG ST W OF N GARFIELD AV TO E OF N MONROE AV	12/3/2020
CC18983	FRANKLIN MAIN RELOCATION PHASE 2 CIP 530161-100105	12/7/2020
E3734	LIVINGSTON AVENUE AND KENNEDY DRIVE	12/8/2020
E3702	SAWMILL RD AT BANKER DR	12/10/2020
CC19035	THE FARMS AT JEFFERSON PHASE 7,8 & 9	12/11/2020
CC18779	THE OHIO STATE UNIVERSITY NEWTON HALL BUILDING RENOVATION AND ADDITION	12/16/2020
CC19033	MILLER TRANSPORTATION DRIVEWAY	12/16/2020
E3666	SIGNAL INSTALLATION HOCKING STREET AND HANOVER STREET	12/17/2020
E3547	LIBRARY PARK NORTH, OAK STREET AND SOUTH 9TH STREET	12/18/2020
CC18998	THE LANDINGS AT FREEDOM TRAIL 350 COUNTY LINE ROAD WEST	12/21/2020
CC18784	TOWN SQUARE STATION	12/23/2020
CC18889	CHELSEA GLEN RETAIL 530 EAST RICH STREET BUILDING ADDITION & UTILITY IMPROVEMENTS	12/23/2020
CC18967		12/23/2020
CC18988	WATERSHED FACILITIES IMPROVEMENTS ERANKLIN COLINITY CORRECTION CENTER CONTINUATION BHASE	12/23/2020
CC19000	FRANKLIN COUNTY CORRECTION CENTER-CONTINUATION PHASE	12/23/2020
CC19039 CC18971	JACKSON PIKE WASTEWATER TREATMENT PLANT COGENERATION FACILITY CIP 650250-100007	12/23/2020
	WEXNER MEDICAL CENTER INPATIENT HOSPITAL	12/30/2020
CC19019	RIGGINS RUN 2 APARTMENTS CARMACK STORM SEWER EXTENSION	12/30/2020
CC19043	CANIVIACK STORIVI SEVVER EXTENSION	12/30/2020

CC16341	PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC15997 Chase Mortgage - Parking Expansion	CC16341	Southland Self Storage - Phase II	1/3/2020
C15854 Olde Orchard Elementary School C15300 137h Avenue Parking Lot C15300 147k Avenue Parking Lot C16578 F57 C165 Station C10578 F57 C165 Station C10578 F57 C165 Station C10578 F57 C165 Station C10570 11/10/2020 C105640 High California Retail C10570 C10570 11/10/2020 C10577 Truenorth Stell Service Station C10400 Midds Auto Service Experts C10400 Midds Aut	CC14253	Townes of West Albany Condominiums	1/3/2020
CC15067 17th Avenue Parking Lot 11/8/200 CC15312 Hamilton Point Retail 11/8/200 CC15678 FST CNG Station 11/0/200 CC15678 FST CNG Station 11/0/200 CC15678 FST CNG Station 11/0/200 CC15677 Masjid Omar Expansion 11/0/200 CC15676 Masjid Omar Expansion 11/0/200 CC15670 Masjid Omar Expansion 11/0/200 CC15670 Masjid Omar Expansion 11/0/200 CC15670 CC16400 High California Retail 11/0/200 CC15670 CC16570 Truenorth Shell Service Station 11/4/200 CC16570 Truenorth Shell Service Station 11/4/200 CC16570 CC16655 Chase Bank New Albany Rd. West 11/4/200 CC16455 Chase Bank New Albany Rd. West 11/4/200 CC16490 Mids a Not Service Experts 11/4/200 CC16490 Mids Auto Service Experts 11/4/200 CC16491 The Shoppes at the Preserves 11/4/200 CC16491 Miracle Motor Mart 11/4/200 CC16535 The C.L. Companies Taco Bell 11/5/200 CC16535 The C.L. Companies Taco Bell 11/5/200 CC16534 MEDICARE 11/5/200 CC16534 MIRACLE MASSIAN MASSIA	CC15797	Chase Mortgage - Parking Expansion	1/6/2020
CC15340	CC15854	Olde Orchard Elementary School	1/6/2020
CC15340 Harvest Prepatory School Track & Field 1/8/2020 CC16577 FST CNG Station 1/10/2020 CC1578 FST CNG Station 1/10/2020 CC15678 FST CNG Station 1/10/2020 CC156100 High California Retail 1/10/2020 CC156100 High California Retail 1/10/2020 CC15677 Truenorth Shell Service Station 1/14/2020 CC16577 Truenorth Shell Service Station 1/14/2020 CC14675 Chase Bank New Albany Rd. West 1/14/2020 CC14678 National City Bank 1/14/2020 CC14678 National City Bank 1/14/2020 CC14902 Midas Auto Service Experts 1/14/2020 CC14902 Midas Auto Service Experts 1/14/2020 CC1493 Miracle Motor Mart 1/14/2020 CC1693 Miracle Motor Mart 1/14/2020 CC1693 Miracle Motor Mart 1/14/2020 CC16153 The C. Companies Taca Bell 1/15/2020 CC16514 MEDCARE 1/15/2020 CC16014 MEDCARE 1/15/2020 CC16021 Hamilton Point Retail 1/15/2020 CC16022 Hamilton Point Retail 1/15/2020 CC14017 Albany Station Condominiums 1/16/2020 CC14017 Albany Station Condominiums 1/16/2020 CC160514 Warphouse Building Expansion 1/16/2020 CC16536 United Dairy Farmers 1/16/2020 CC14538 Warehouse Building Expansion 1/16/2020 CC14530 Wendys international, Inc. 1/17/2020 CC13935 High Individual High Reparts Inc. 1/17/2020 CC13935 High Individual High Reparts Inc. 1/17/2020 CC13936 United Dairy Farmers 1/16/2020 CC13936 United Dairy Farmers 1/16/2020 CC13935 High Individual High Reparts Inc. 1/17/2020 CC13935 High Individual High Reparts Inc. 1/17/2020 CC13936 United Dairy Farmers 1/16/2020 CC13935 High Individual High Reparts Inc. 1/17/2020 CC13936 High Dairy Farmers 1/16/2020 CC13936 High Reparts Inc. 1/17/2020 CC13937 High Reparts Inc. 1/17/2020 CC13936 High Reparts Inc. 1/17/2020 CC13936 High Reparts Inc. 1/17/2020 CC13937 High Reparts Inc. 1/17/2020 CC13936 High Reparts Inc. 1/17/2020 CC13937 High Reparts Inc. 1/17/2020 CC13937 High Reparts Inc. 1/17/2020 CC13939 Allie Gate Apartments Phase 2 1/17/2020 CC13939 Allie Gate Apartments Phase 2 1/17/2020 CC14331 Hunting Bank 1/17/2020 CC14331 Hunting Bank 1/17/2020 CC14331 Hunting Bark 1/17/2020 CC14331 Hunting Bark 1/17/2020 CC14331 Huntin	CC15067	•	
CC16012 Village At White Oaks Park II, LTD. CC1647 FFT CNS Station CC15467 Masjid Omar Expansion CC15467 Masjid Omar Expansion CC15467 Masjid Omar Expansion CC15820 Chick-Fil A I1/10/200 CC16820 Chick-Fil A I1/10/200 CC16820 Chick-Fil A I1/10/200 CC16855 Chase Bank New Albany Rd. West I1/14/200 CC14655 Chase Bank New Albany Rd. West I1/14/200 CC14478 National City Bank CC14090 Mids Auto Service Experts I1/14/200 CC14090 Mids Auto Service Experts I1/14/200 CC14091 The Shoppes at the Preserves I1/14/200 CC16093 The Shoppes at the Preserves I1/14/200 CC16093 The CL. Companies Taco Bell I1/14/200 CC16093 The CL. Companies Taco Bell I1/14/200 CC16094 Middle Motor Mart CC16094 Middle Motor Mart I1/14/200 CC16094 Middle Motor Mart I1/14/200 CC16095 The CL. Companies Taco Bell I1/15/200 CC16094 MEDCARE I1/15/200 CC16094 Medican I1/16/200 CC10022 Hamilton Point Retail I1/16/200 CC10022 Hamilton Point Retail I1/16/200 CC16091 Kappa Kappa Gamma I1/16/200 CC16091 Kappa Kappa Gamma I1/16/200 CC16091 Kappa Kappa Gamma I1/16/200 CC16090 Longhorn Steakhouse I1/17/200 CC13090 Longhorn Steakhouse I1/17/200 CC13090 Longhorn Steakhouse I1/17/200 CC13090 Longhorn Steakhouse I1/17/200 CC13090 Arlington Hospitality Amerihost Inn & Suites I1/17/200 CC13090 Arlington Hospitality Amerihost Inn & Suites I1/17/200 CC1300 Grace Presipyerian Church I1/17/200 CC1300 Grace Presipyerian Church I1/17/200 CC1300 Grace Presipyerian Church I1/17/200 CC1301 Bethe United Presipyerian Church I1/17/200 CC1301 Be		-	
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CC15647 Masjid Omar Expansion 1/10/2020 CC16400 High California Retail 1/10/2020 CC16520 Chick-Fil-A 1/13/2020 CC1657 Truenorth Shell Service Station 1/14/2020 CC1655 Chase Bank New Albany Rd. West 1/14/2020 CC14748 National City Bank 1/14/2020 CC14792 Midas Auto Service Experts 1/14/2020 CC14079 The Shoppes at the Preserves 1/14/2020 CC16493 Miracle Motor Mart 1/14/2020 CC16514 MEDCARE 1/15/2020 CC16514 MEDCARE 1/15/2020 CC16514 MEDCARE 1/15/2020 CC16031 The C.L. Companies Taco Bell 1/15/2020 CC16032 Hamilton Point Retail 1/16/2020 CC16402 Hamilton Point Retail 1/16/2020 CC14017 Albany Station Condominiums 1/16/2020 CC164017 Albany Station Condominiums 1/16/2020 CC16402 Hamilton Point Retail 1/16/2020 CC164018 Warehouse Building Expansion 1/16/2020 CC164019 Kappa Kappa Gamma 1/16/2020 CC15443 Warehouse Building Expansion 1/16/2020 CC15490 Longhorn Steakhouse 1/17/2020 CC14390 Longhorn Steakhouse 1/17/2020 CC14390 Longhorn Steakhouse 1/17/2020 CC14393 Wendy's International, Inc. 1/17/2020 CC13820 Arington Hospitality Amenhost Inn & Suites 1/17/2020 CC13820 Fifth Third Bank 1/17/2020 CC13826 Fifth Control 1/17/2020 CC13826 Fifth Control 1/17/2020 CC14494 Golds Appartments Phase 2 1/17/2020 CC14496 Fast Ward Marking Lot 1/17/2020 CC14496 Fast Ward Marking Lot 1/17/2020 CC14496 Fast Ward Marking Lot 1/17/2020 CC14491 Albany Sore Presbyerian Church 1/17/2020 CC14491 Albany Sore Fresbyerian Church 1/17/2020 CC14491 Albany Sore Fresbyerian Church 1/17/2020 CC14491 Albany Sore Fresbyerian Church 1/17/2020 CC14491 Solckes Soym North Hamilton Road 1/23/2020 CC14491 Solckes Soym Nor			
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CC16577 Truenorth Shell Service Station 1/14/2020 CC14748 National City Bank 1/14/2020 CC14902 Midas Auto Service Experts 1/14/2020 CC14907 The Shoppes at the Preserves 1/14/2020 CC14079 The Shoppes at the Preserves 1/14/2020 CC14197 Panda Express Chestrut Hill Commercial 1/14/2020 CC14017 Panda Express Chestrut Hill Commercial 1/15/2020 CC16535 The C.L. Companies Taco Bell 1/15/2020 CC14022 Hamilton Point Retail 1/16/2020 CC14017 Albany Station Condominiums 1/16/2020 CC14022 Hamilton Point Retail 1/15/2020 CC14023 Kappa Kappa Gamma 1/16/2020 CC15431 Warehouse Building Expansion 1/16/2020 CC14586 United Dairy Farmers 1/16/2020 CC13809 Longhorn Steakhouse 1/17/2020 CC13805 Fifth Third Bank 1/17/2020 CC13805 Fifth Third Bank 1/17/2020 CC13802 Aringgton Hospitality Amerihost Inn & Suites 1/1		-	
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CC14292 New Orthodontocs Office 1/23/2020 CC13636 NDC/NFI 1/23/2020 CC14303 Morrison Medical 1/23/2020 CC13974 Tim Hortons 1/23/2020 CC13665 Eastwood Villas / Carnegie Cove Retention Basin 1/23/2020 CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14319	Salvation Army - Worthington Woods Chapel	1/23/2020
CC13636 NDC/NFI 1/23/2020 CC14303 Morrison Medical 1/23/2020 CC13974 Tim Hortons 1/23/2020 CC13665 Eastwood Villas / Carnegie Cove Retention Basin 1/23/2020 CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14644	Gold's Gym North Hamilton Road	1/23/2020
CC14303 Morrison Medical 1/23/2020 CC13974 Tim Hortons 1/23/2020 CC13665 Eastwood Villas / Carnegie Cove Retention Basin 1/23/2020 CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14292	New Orthodontocs Office	1/23/2020
CC13974 Tim Hortons 1/23/2020 CC13665 Eastwood Villas / Carnegie Cove Retention Basin 1/23/2020 CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC13636	NDC/NFI	1/23/2020
CC13665 Eastwood Villas / Carnegie Cove Retention Basin 1/23/2020 CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14303	Morrison Medical	1/23/2020
CC14513 Proposed Parking Facility 4784 North High Street 1/23/2020 CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC13974	Tim Hortons	1/23/2020
CC14057 East Broad Street Retail 1/23/2020 CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC13665	Eastwood Villas / Carnegie Cove Retention Basin	1/23/2020
CC14470 Buckeye Plaza 1/27/2020 CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14513	Proposed Parking Facility 4784 North High Street	1/23/2020
CC14504 SICARAS 1/27/2020 CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14057	East Broad Street Retail	1/23/2020
CC13727 Polaris Neighborhood Center 2 1/29/2020 CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14470	Buckeye Plaza	1/27/2020
CC13642 The Woods at Polaris 1/29/2020 CC14618 Mount Carmel West 1/29/2020	CC14504	SICARAS	1/27/2020
CC14618 Mount Carmel West 1/29/2020	CC13727	Polaris Neighborhood Center 2	1/29/2020
, ,	CC13642		1/29/2020
CC15229 The Shelly Company Building Addition 1/29/2020		Mount Carmel West	
	CC15229	The Shelly Company Building Addition	1/29/2020

PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC14159	Capital Office Building	1/29/2020
CC14374	815 West Broad Street	1/29/2020
CC13603	Lazelle Road Retail Center	1/29/2020
CC14053	Dollar General Store	1/29/2020
CC14507	Worley Terrace	1/29/2020
CC14849	Homeless Families Foundation	1/29/2020
CC13606	Willow Brook Christian Homes	1/29/2020
CC14479	UDF - 1041 W Broad St.	1/29/2020
CC13981	Greenlawn Realty	1/29/2020
CC13871	Fifth Third Bank (Lazelle & Sancus)	1/30/2020
CC14982	W.L. Markers, Inc.	1/30/2020
CC13896	Infinity General	2/3/2020
CC13201	JVL Car Wash	2/3/2020
CC14207	Second Shiloh Baptist Church	2/3/2020
CC14487	Pro Gutter & Drain	2/3/2020
CC14927	Select Carrier Group	2/3/2020
CC14905	Power of Prayer Church	2/3/2020
CC13765	New Retail Store	2/3/2020
CC14065	Rent a Flick Retail Center	2/3/2020
CC15012	Dollar General	2/4/2020
CC13578	Bob Sumerel Tire	2/5/2020
CC14543	Tire Discounters	2/5/2020
CC13773	Scriptural Study Groups	2/5/2020
CC13923	Proposed Dent Solutions	2/5/2020
CC13723	Bridgestone/Firestone	2/5/2020
CC13961	Dennis Hyundai Car Dealership	2/10/2020
CC13629	CVS Store #6147	2/10/2020
CC13678	McConnell Health Center	2/10/2020
CC13954	Hanover Street Parking Lot	2/11/2020
CC18235	Grandview Heights Service Center	2/11/2020
CC16270	Tim Horton's Restaurant	2/11/2020
CC14590	North Bank Redevelopment	2/11/2020
CC16189	Certified Oil	2/11/2020
CC14499	Liberty Place - Parking Lot	2/11/2020
CC13822	Frazier Office / Warehouse	2/11/2020
CC14083	Buggyworks West Nation Boulevard	2/11/2020
CC13789	GAMMA Columbus, LLC	2/12/2020
CC13856	America's Floor Source(cc16373) Sakura Restaurant	2/12/2020
CC14860 CC14867		2/12/2020
CC14867 CC13875	Tim Donut U.S. Limited, Inc. USF Distribution Center	2/12/2020 2/12/2020
CC13873	Office Building	2/12/2020
CC13897	Robinson Office/ Warehouse	2/14/2020
CC13694	Drayton Court Apartments	2/14/2020
CC13753	Gramercy Place Condo Phase II	2/14/2020
CC11270	Polaris Center Lyra Drive	2/18/2020
CC13749	Professional Truck Wash	2/18/2020
CC17210	Roberts Road Truck Wash	2/18/2020
CC14558	SAVE-A-LOT GROCERY	2/19/2020
CC13861	Jenkins Terrace Replacement Facilities	2/19/2020
CC14203	White Castle	2/19/2020
CC13846	Wendy's International	2/19/2020
CC13591	Family Dollar	2/19/2020
CC14373	Salvation Army	2/19/2020
CC10156	McDonald's Restaurant	2/19/2020
CC15324	Medical and Professional Building	2/19/2020
CC14285	Alum Creek Retail Center	2/19/2020
CC14203	Station 29	2/21/2020
2010703	5.00.011 E3	2/21/2020

PLAN NUMBER	PLAN NAME	NSPECTION DATI
RP14282	Green Hill Acres	2/21/2020
CC13737	Mail Sort, Inc. Building Addition	2/21/2020
CC13658	White Castle	2/21/2020
CC14296	Compton Building, 1205-1207 Cleveland Avenue	2/21/2020
CC14037	Family Dollar	2/21/2020
CC13682	Fire Station No. 18	2/21/2020
CC17075	1047 Cleveland Ave	2/21/2020
CC17075	Street Improvements Hall Rd. & Galloway Rd.	2/24/2020
CC8625	Regional Stormwater Management Rt Basin @ Alton-Darby Creek Rd	2/25/2020
E2946		2/25/2020
	South High Street at Scioto Downs	
E03069	Sidewalk Improvements Whittier Street	2/25/2020
E03057	E. Eleventh Avenue, Pearl Street To N. Grant Avenue	2/25/2020
RP18207	Lockbourne Road Stormwater System Improvements CIP772	2/25/2020
E1692	FRA-CR 122-4.14 Alum Creek Drive	2/26/2020
CC10113	Regional Stormwater Management Rt Basin @ Westbrooke/Roberts Rd	2/26/2020
E2904	Refugee Road-Chatterton Road at Noe-Bixby Road	2/27/2020
E1755	McKinley Ave	2/27/2020
D3876	Winchester Lakes Section No. 1	2/27/2020
D2720	Lehnert Farm	2/27/2020
E2319	Taylor Station Road Widening (East Side)	2/27/2020
	Hayden Run & Leppert Roads	2/27/2020
E2137	Morse Road Phase 2	2/27/2020
E03322	Improvements Of Port Rd. & George Page Jr. Rd.	2/27/2020
CC10705	CIP925.1 Billingsley Road Detention Basin Improvements	2/28/2020
CC14611	GREENVIEW ESTATES DETENTION BASIN - CIP704	2/28/2020
D2551	Southwest Airport Industrial Park (BoltonField)	3/2/2020
E2765	Warner Road Phase 1	3/2/2020
E2847	Refugee Rd. Sidewalk/Shared Use Path	3/2/2020
D2839	The Meadows Section 2 Storm/San	3/2/2020
RP16788-16818	Berliner Park Storm and Sanitary Sewer Improvements - CIP650742	3/2/2020
E2710	Alum Creek Drive & Rohr Road	3/3/2020
E2637	FRA-PARSONS/LIVINGSTON IMPROVEMENTS PID #86311 PART 1	3/5/2020
E2526	Karl Road Improvements	3/5/2020
CC15476	Mt. Carmel Health Center	3/5/2020
CC16988	First Unitarian Universalist Church	3/5/2020
CC13627	Beechwold Place	3/5/2020
RP18105	Marion Road	3/6/2020
CC13878	The Reserve At Sawmill Park	
		3/6/2020
CC16542	New Albany Plaza/Proposed Bding and Parking Add	3/9/2020
CC16863	Taco Bell	3/9/2020
CC13922	Creative Housing, Inc.	3/10/2020
CC13826	Hydro-Spray Car Wash	3/10/2020
CC14407	Linden Branch Library Parking Expansion	3/11/2020
CC16760	Enterprise Rent-A-Car	3/11/2020
CC14362	Goo Goo Car Wash	3/11/2020
CC12116	World Peace Church	3/11/2020
CC16824	Kenlawn Park Improvements 2014	3/11/2020
CC16272	Ricart Ford Addition	3/12/2020
CC13953	Georgesville Retail Center	3/12/2020
CC15897	CNG Fueling Facility	3/12/2020
CC13702	Friendship Village Of Dublin	3/12/2020
CC15817	Taco Bell	3/12/2020
CC13851	National City Bank Holt Road	3/12/2020
CC13844	Arby's Restaurant	3/12/2020
CC13823	Restaurant Depot	3/12/2020
CC15974	Nationwide Childrens Hospital PLA	3/19/2020
CC16183	Raising Canes	3/19/2020
CC14393	Hurricane Car Wash Systems	3/19/2020
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PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC13982	Pentecoastal Triumphant Church	3/19/2020
CC14060	Waffle House #495	3/19/2020
CC16974	Auto Body Collision & Glass	3/19/2020
CC13988	First Service Federal Credit Union	3/19/2020
CC13971	First Impressions Collision	3/19/2020
CC16147	Taco Bell	3/19/2020
CC15224	O'Reilly Auto Parts; Columbus, OH #3	3/19/2020
CC16909	Enterprise Rent-A-Car	3/19/2020
CC14043	Dollar General	3/23/2020
CC14094	Fifth Third Bank	3/23/2020
CC14052	Buckee Storage Units	3/23/2020
CC14214	Gender Road Office Park	3/24/2020
CC13918	Advance Auto Parts	3/24/2020
CC14080	Taco Bell	3/24/2020
CC13674	Blockbuster	3/24/2020
CC14125	Huntington Bank	3/24/2020
CC14123	Tim Donut U.S. Limited, Inc.	3/25/2020
CC1441 CC14019	Oak Street Office Storgae Facility	3/25/2020
CC14072	Havertys at Polaris	3/25/2020
	•	
CC15466	Cloverleaf Cold Storage Facility	3/25/2020
CC14086	Mees Distributors, Inc Addition	3/25/2020
CC14667	Auto-Quick Sales Lot	3/26/2020
CC14378	New Birth Christian Ministry	3/30/2020
CC16532	Dollar General Store	3/30/2020
CC15701	Elim Manor Retirement Housing & Cottage Section 8	3/31/2020
CC15699	Elim Manor Retirement Housing & Cottages	3/31/2020
CC18692	Amerisourcebergen Drug Corp. Warehouse Addition	7/4/2020
CC13874	Lot 3 Eastport Business Park Cabot Properties Inc	7/14/2020
CC13595	Lot 1 Eastport Business Park Mohawk Industries	7/14/2020
CC14987	Value Place Hotels	7/21/2020
CC11932	Commodity Logistics 1500 London-Groveport Road	7/23/2020
CC13306	Lot 4B Eastport Buisiness Park	7/23/2020
CC14239	Cabot Properties Inc.	7/25/2020
CC16150	Giant Eagle Third Avenue	7/29/2020
CC16143	Henderson Road Development	7/29/2020
CC16210	Germain Ford	7/30/2020
CC15561	Cypress Wesleyan Church Expansion	8/3/2020
CC16407	Hampton Inn	8/3/2020
CC16490	Toyota West	8/5/2020
CC16221	McDonald's Rebuild	8/5/2020
CC16519	The View On Fifth	8/6/2020
CC13754	Westgate Equipment Rental	8/7/2020
CC13584	Noe Bixby Congregate Care	8/10/2020
CC13636	NDC/NFI	8/10/2020
CC14020	Gelato Center	8/10/2020
CC16680	Hugh White Honda	8/13/2020
CC16640	Polaris Enclave Apartments	8/13/2020
CC16865	Lifepoint Church	8/13/2020
CC16689	Grandview Village, Phase I	8/16/2020
CC17016	Cardinal Self Storage-Smoky Row	8/17/2020
CC16997	Rusty Bucket Restaurant	8/19/2020
CC17031	4921 Vulacn Avenue LLC	8/19/2020
CC16823	Goodwill	8/19/2020
CC16813	Elliot House Multi-Family	8/20/2020
CC17077	Boss Excavating & Grading INC.	8/20/2020
CC17324	Valvoline Instant Oil Change	8/25/2020
CC15804	Cedarwood Elementary School	8/25/2020
CC17494	Wendy's Restaurant	8/26/2020

PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC17791	Corner Bakery Cafe	8/26/2020
CC17080	Hayward Distributing	8/26/2020
CC14308	The Reserve at Preston Woods	8/28/2020
CC15991	The Reserve @ Preston Woods	8/28/2020
CC13730	Walgreens Store #9093	8/28/2020
CC16948	Rush Truck Centers	8/28/2020
CC15697	Commons at Livingston	8/28/2020
CC14705	Oakland Park Alternative Elementary School	9/1/2020
CC13418	Darby Pointe	9/1/2020
CC16881	The Shops At Hilliard-Rome Road	9/3/2020
CC15278	Whitney Young Condominiums	9/3/2020
CC15987	Union Hall Renovation & Addition Columbus State CC	9/3/2020
CC13469	River Highlands Condominiums	9/4/2020
CC15796	Arbors @ Turnberry	9/9/2020
CC14092	The Falls at Hayden Run, Phase I	9/9/2020
CC14573	EICKHOLT DEVELOPMENT	9/9/2020
CC15796	Arbors @ Turnberry	9/9/2020
CC15790 CC15462	•	9/9/2020
CC15462 CC15449	Millenium Community School	9/9/2020
	Grace Christian Academy Middle School	
CC14576	Wedgewood Middle School	9/9/2020
CC15449	Grace Christian Academy Middle School	9/10/2020
CC15854	Olde Orchard Elementary School	9/10/2020
CC14533	Walker Park	9/15/2020
CC16033	Alum Crest/Clearbrook 6-12 School	9/15/2020
CC15204	Whirlpool (2 Owners)	9/16/2020
CC14615	Now Urban Active/Was Gold's Gym	9/17/2020
CC14634	Tire Discounters - Gemini Palace	9/17/2020
E2807	Monarch Greene	9/18/2020
CC15872	Starling Pre K-8 Grade School	9/18/2020
CC15206	O'Reilly Auto Parts	9/18/2020
CC14013	Walgreens Store #09138	9/21/2020
CC16088	North Fourth East Eighth	9/22/2020
CC15325	Mount Zion Church	9/22/2020
CC13869	Seniors At Hegemon	9/22/2020
CC14857	Fifth Street & Spring Street Accessory Parking Lots #43 & #44	9/23/2020
CC15419	Grandview Retail Center	9/23/2020
CC15800	Hilton Columbus Downtown	9/23/2020
CC15103	West Wishbone Commercial	9/24/2020
CC15143	The Hamptons Condominiums Phase 4	9/24/2020
CC15052	Cornerstone Academy	9/24/2020
CC15281	The Farms at New Albany Park	9/24/2020
CC15010	VNAC Holdings Warehouse	9/24/2020
CC14299	Carmax - The Auto Superstore	9/28/2020
CC16565	Polaris Grand Apts (replacesCC14976)	9/28/2020
CC15926	Private Storm Sewer for CVS Pharmacy Store #05060	9/29/2020
CC16155	Wat Buddha Samakidham	9/29/2020
CC14874	The Villas at Sugar Run (Phase 1)	9/30/2020
CC16205	Columbus Walmart #2098	9/30/2020
CC14270	Chestnut Hill IV Buildings 5 & 6	9/30/2020
CC16525	Prairie Township Community Recreation Center	9/30/2020
CC15282	Hamilton II/Advance Auto Parts	9/30/2020
CC13845	Chestnut Hill 3 Retail	9/30/2020
CC16325	The District	10/1/2020
CC16072	The Residences at Liberty Crossing	10/2/2020
CC15729	Springhill Suites	10/2/2020
CC16460	Westgate Recreation Center Renovations	10/2/2020
CC14699	Binns Elementary School	10/5/2020
CC14003	Krogers at Brewers Yard	10/5/2020

PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC16547	Columbus VOA	10/5/2020
CC15717	Franklinton Senior	10/5/2020
CC16945	Remington Woods Phase 2	10/6/2020
CC14730	Thorntons	10/7/2020
CC16843	ABBIE COVE APARTMENTS Phase 2	10/7/2020
CC16200	Alum Creek SW Mitigation & Remed. Phase 2	10/7/2020
CC16274	Abbie Cove Apartments Phases 1 & 2	10/7/2020
CC16411	The Pines Phase 3	10/7/2020
CC15259	Gemini Place Towne Center	10/7/2020
CC17168	Beer Barrel Pizza And Grill	10/7/2020
CC16891	Edgehill Apartments	10/9/2020
CC16950	Columbus Public Library Parsons Avenue Branch	10/12/2020
CC16795	Lincoln Park Pool	10/12/2020
CC16575	Parsons Senior	10/12/2020
CC15340	Harvest Prepatory School Track & Field	10/12/2020
CC15340 CC16398		10/12/2020
CC16598	Remington Woods	
	COC-Reeb Avenue Building Renovations	10/13/2020 10/13/2020
CC14833	Berwick K-8 Alternative Elementary	• •
CC17698	At Home Store	10/13/2020
E2222	Lehman Meadows	10/13/2020
CC14817	Columbus Police Substation #14	10/15/2020
CC13582	The Preserve At Winchester Crossing	10/15/2020
CC14709	Fleet Management	10/15/2020
CC16012	Village At White Oaks Park II, LTD.	10/15/2020
CC15313	Aqua Spa Car Wash	10/16/2020
CC16052	The Benchmark	10/18/2020
CC14780	Scottwood 811 Project	10/20/2020
CC16666	Family Dollar Store	10/20/2020
CC16742	Speedway	10/21/2020
CC14767	Walgreens	10/21/2020
CC14340	Pentagon Medical Building	10/21/2020
CC14253	Townes of West Albany Condominiums	10/22/2020
CC15602	Coach House Residence	10/22/2020
CC15067	17th Avenue Parking Lot	10/22/2020
CC15797	Chase Mortgage - Parking Expansion	10/27/2020
CC14880	Grange Insurance Headquarters Expansion	10/27/2020
CC16900	Brunk Apartments	10/27/2020
CC16258	Dublin Road Water Plant Treatment Cap Increase Detailed Design #1	10/28/2020
CC14835	East Pilgrim Elementary School	10/28/2020
CC17192	Watershed Roadway Improvements - Part 3	10/28/2020
CC16954	Hanford Village Park	10/28/2020
CC16888	1065 Georgesville Rd.	10/28/2020
CC17026	Cols Rec & Parks Depart Driving Park COmmunity Center and Pool Imp Phase 1 & 2	10/28/2020
CC13637	Proposed Office Warehouse At Nicholas & Fiesta Dr	10/30/2020
CC16429	Columbus Fire Station No. 2	11/2/2020
CC14930	New Engine House #10	11/2/2020
CC14922	Pomegranate	11/2/2020
CC13614	Chipotle Mexican Grill	11/3/2020
CC16908	Hilliard Green Park Improvements	11/4/2020
CC16047	Fort Hayes Infrastructure Improvements	11/4/2020
CC15056	Columbus State Community College 27-S Park Area Renovation	11/4/2020
CC15059	Lincoln Theatre	11/4/2020
CC16594	Rite Rug Flooring (CC9870)	11/5/2020
CC14925	Advance Auto Parts	11/6/2020
CC17096	Sterling Paper	11/6/2020
CC17153	Creekside 20	11/6/2020
CC14708	Leawood Elementary School	11/10/2020
CC16294	Family Dollar	11/10/2020

PLAN NUMBER	PLAN NAME	NSPECTION DATI
CC17269	Popeyes	11/10/2020
E2000	Oldstone Crossing Section 2	11/12/2020
CC14388	Plaza Properties Boulevard	11/13/2020
CC13863	Tuttle Crossing Retail	11/13/2020
CC13876	Avery Place	11/13/2020
CC15331	Four Points by Sheraton	11/13/2020
CC15102	Speedway	11/13/2020
CC14604	The Annex	11/17/2020
CC15277	Walhalla Development	11/17/2020
CC14001	U.S. Villages	11/17/2020
CC16138	The Cleary Company	11/17/2020
CC14612	Germain Mercedes/Cadillac Service	11/23/2020
CC14643	Safe Auto Insurance Company	11/23/2020
CC14312	Carmax @ Easton	11/24/2020
CC13856	America's Floor Source(cc16373)	11/24/2020
CC16861	Value Place Hotel - Easton	11/24/2020
CC14688	Private Stormwater Sys for 499	12/2/2020
CC14700	TK Homes Site	12/2/2020
CC15816	Airgas - Great Lakes, Inc.	12/9/2020
CC15636	Turkey Hill #704	12/9/2020
CC15850	Giant Eagle #6504	12/9/2020
CC16811	Glenwood Recreation Center	12/11/2020
CC14969	Burroughs Elementary School	12/11/2020
CC15934	Raising Canes	12/11/2020
CC15856	OPRS Conference Center Addition	12/11/2020
CC15841	Private storm, sewer, ponding & grading	12/11/2020
CC13808	Preserve At Albany Woods Section 1 & 2	12/15/2020
CC16731	Easton Pointe	12/15/2020
CC16979	Office Building-3600 Stelzer Rd	12/15/2020
CC15858	Private Storm & Grading Plan - Redevelopment	12/16/2020
CC13800	Columbus Distributing Office Expansion	12/18/2020
CC16010	Tim Hortons	12/18/2020
CC16029	New Albany Apartments	12/23/2020
CC15389	The Villas at Sugar Run-Phase 2	12/23/2020
CC16593	Bolton Crossing Elementary School	12/23/2020
CC16590	Custom Sign Center	12/23/2020
CC14109	Walgreens Store #09541	12/23/2020
CC14809	Giant Eagle #6528 New Albany Road West	12/23/2020

City of Columbus 2020 Operation and Maintenance Facilities

Tier I City Facilities - Sites subject to 40 CFR 122.26(b)(14)							
Facility Location	Ohio EPA Facility Permit No.						
Refuse Alum Creek Site 2100 Alum Creek Dr. Columbus, OH 43207	4GR00390*FG						
Refuse Georgesville Site 1550 Georgesville Rd. Columbus, OH 43228	4GR00550*FG						
Refuse Morse Road Site 4260 Morse Rd. Columbus, OH 43230	4GR00549*FG						
Southerly Wastewater Treatment Plant 6977 S. High St. Lockbourne, OH 43137	4GR00607*EG						
Jackson Pike Wastewater Treatment Plant 2104 Jackson Pike Columbus, OH 43223	4GR00606*EG						
Compost Facility 7000 Jackson Pike Lockbourne, OH 43137	4GR00644*EG						
Police Helipad 2130 West Broad St. Columbus, OH 43223	4GR00813*AG						
Frank Road Landfill 2104 Jackson Pike Columbus, OH 43223	This site is a landfill that is in "closed" status with no ongoing operations.						
Fisher Road Landfill Southwest corner of I-70 and I- 270, north of Fisher Road Columbus, OH	This site is a landfill that is in "closed" status with no ongoing operations.						

City of Columbus 2020 Operation and Maintenance Facilities

Tier II City Facilities						
	ractices per MS4 Permit					
Fleet Management	Fire Station 1 and 9					
Main Maintenance Facility	300 North Fourth St.					
4211 Groves Road	Columbus, OH 43215					
Columbus, OH 43232						
Fleet Management - CNG North	Fire Station 2					
2333 Morse Rd.	150 E. Fulton St.					
Columbus, OH 43229	Columbus, OH 43215					
Fleet Management	Fire Station 3					
CNG Fueling Facility	222 Greenlawn Ave.					
5115 Krieger Ct	Columbus, OH 43224					
Columbus, OH 43228						
Big Run Park Maintenance Facility	Fire Station 4					
4201 Clime Road	3030 Winchester Pike					
Columbus, OH 43228	Columbus, OH 43232					
Big Walnut Park Maintenance Facility 5000 E. Livingston Avenue	Fire Station 5 211 McNaughten					
Columbus, OH 43227	Columbus, OH 43213					
Three Creeks Parks Maintenance Facility	Fire Station 6					
3491 Watkins Rd.	5750 Maple Canyon Ave.					
Columbus, OH 43207	Columbus, OH 43229					
Downtown / Gowdy Maintenance Facility	Fire Station 7					
711 W. 3rd Avenue	1425 Indianola Ave.					
Columbus, OH 43212	Columbus, OH 43201					
Fairwood Parks Maintenance Facility	Fire Station 8					
1250 Fairwood Avenue	1240 East Long St.					
Columbus, Ohio 43206	Columbus, OH 43201					
Linden Parks Maintenance Facility	Fire Station 10					
2071 Parkwood Ave.	1096 West Broad St.					
Columbus, OH 43211	Columbus, OH 43222					
Northeast Parks Maintenance Facility	Fire Station 11					
3900 Westerville Rd.	2200 West Case Rd.					
Columbus, OH 43224	Columbus, OH 43235					
Northwest Parks Maintenance Facility	Fire Station 12					
1306 Hard Road	3200 Sullivant Ave.					
Columbus, Ohio 43235	Columbus, OH 43204					
Whetstone Park Maintenance and Park of	Fire Station 13					
Roses Horticultural	309 Arcadia Ave.					
4015 Olentangy Boulevard	Columbus, OH 43202					
Columbus, OH 43214	T. G. d. 14					
Forestry Municipal Nursery	Fire Station 14					
6993 S. High Street	1514 Parsons Ave.					
Columbus, OH 43137	Columbus, OH 43207					
Maintenance Operation Complex	Fire Station 15					
1533 Alum Industrial Drive W	1800 Livingston Ave.					
Columbus, OH 43209	Columbus, OH 43205					

City of Columbus 2020 Operation and Maintenance Facilities

Tier II City Facilities						
Sites to develop P2 Pr	actices per MS4 Permit					
Gardening Crew Maintenance Facility	Fire Station 16					
1220 Deckenbach Road	1130 East Weber Rd.					
Columbus, Ohio 43223	Columbus, OH 43211					
Airport Golf Course	Fire Station 17					
900 N. Hamilton Road	2250 West Broad St.					
Columbus, OH 43230	Columbus, OH 43204					
Mentel Memorial Golf Course	Fire Station 18					
6005 Alkire Road	1630 Cleveland Ave.					
Galloway, OH 43119	Columbus, OH 43211					
Champions Golf Course	Fire Station 19					
3900 Westerville Road	3601 North High St.					
Columbus, OH 43224	Columbus, OH 43214					
Raymond Memorial Golf Course	Fire Station 20					
3860 Trabue Road	2646 East Fifth Ave.					
Columbus, OH 43228	Columbus, OH 43219					
Turnberry Golf Course	Fire Station 21					
1145 Clubhouse Lane	3294 East Main St.					
Pickerington, OH 43147	Columbus, OH 43213					
Kilbourne Run Sports Park	Fire Station 22					
4625 Westerville Road	3069 Parsons Ave.					
Westerville, OH 43231	Columbus, OH 43207					
Lou Berliner Sports Park	Fire Station 23					
325 Greenlawn Avenue	4451 East Livingston Ave.					
Columbus, OH 43223	Columbus, OH 43227					
Cooper Sports Park	Fire Station 24					
5740 Cooper Road	1585 Morse Rd.					
Westerville, OH 43081	Columbus, OH 43229					
Anheuser-Busch Sports Park	Fire Station 25					
4990 Olentangy River Road	739 West Third Ave.					
Columbus, OH 43214	Columbus, OH 43212					
Traffic Engineering Facility	Fire Station 26					
1820 E 17th Ave.	5333 Fisher Rd.					
Columbus, OH 43219	Columbus, OH 43228					
Transportation Main Yard	Fire Station 27					
1850 E 25th Ave.	7560 Smoky Row Rd.					
Columbus, OH 43219	Columbus, OH 43065					

City of Columbus 2020 Operation and Maintenance Facilities

Facilities							
Sites to develop P2 Practices per MS4 Permit							
Fire Station 28							
3240 McCutcheon Rd.							
Columbus, OH 43219							
Fire Station 29							
5151 Little Turtle Way							
Columbus, OH 43082							
Fire Station 30							
3555 Fishinger Rd.							
Columbus, OH 43206							
Fire Station 31 5303 Alkire Rd.							
Columbus, OH 43228 Fire Station 32							
3675 Gender Rd.							
Columbus, OH 43110							
Fire Station 33							
440 Lazelle Rd.							
Columbus, OH 43081							
Fire Station 34							
5201 Wilcox Rd.							
Columbus, OH 43016							
Fire Training							
3639 Parson Ave.							
Columbus, OH 43207							
Police Mounted Unit							
2609 McKinley Ave.							
Columbus, OH 43204							
Police Firing Range							
2609 McKinley Ave.							
Columbus, OH 43204							
Police Impound Lot							
2700 Impound Lot Road							
Columbus, OH 43207							
Police Headquarters 120 Marconi Blvd.							
Columbus, OH 43215							
Columbus, 011 43213							
Columbus Pubic Health							
240 Parsons Avenue							
Columbus, OH							
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City of Columbus Street Sweeper Inventory December 31, 2020

Brass Tag	Make	Model	Type
24367	Elgin Pelican	3-Wheel Sweeper	Mechanical
24368	Elgin Pelican	3-Wheel Sweeper	Mechanical
24369	Elgin Pelican	3-Wheel Sweeper	Mechanical
24606	Elgin Pelican	3-Wheel Sweeper	Mechanical
24607	Elgin Pelican	3-Wheel Sweeper	Mechanical
24609	Elgin Pelican	3-Wheel Sweeper	Mechanical
24642	Elgin Pelican	3-Wheel Sweeper	Mechanical
24643	Elgin Pelican	3-Wheel Sweeper	Mechanical
24650	Elgin Pelican	3-Wheel Sweeper	Mechanical
24654	Elgin Pelican	3-Wheel Sweeper	Mechanical
24655	Elgin Pelican	3-Wheel Sweeper	Mechanical
24623	Elgin Eagle	4-Wheel sweeper	Mechanical
24649	Elgin Eagle	4-Wheel sweeper	Mechanical
24667	Elgin Eagle	4-Wheel sweeper	Mechanical
24706	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24707	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24708	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24709	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24710	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24711	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24712	Challenger (PM-10)	4-Wheel sweeper	Mechanical
24713	Challenger (PM-10)	4-Wheel sweeper	Mechanical
27655	Global M4 (PM-10)	4-Wheel sweeper	Mechanical
27773	Global M3 (PM-10)	3-Wheel sweeper	Mechanical
27774	Global M3 (PM-10)	3-Wheel sweeper	Mechanical
27629	Tymco 500X (PM-10)	4-Wheel sweeper	Regenerative Air
28829	Ravo 5i (PM-10)	4-Wheel sweeper	Vacuum Sweeper

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Sunrise Foods	2097 Corvair Blvd.	43207			1	2	General Permit
Columbus Pallet Recycling	611 Marion Rd	43207			1	2	General Permit eligible; Owner & OEPA notified
Phoenix Recycling, Inc.	659 Marion Rd	43207			1	2	General Permit eligible; Owner & OEPA notified
Cabbage Cases, Inc.	1166 Steelwood Rd #C	43212			1	1	No Exposure Certification eligible; Owner & OEPA notified
M R S Industrial, Inc.	2583 Harrison Rd	43204			1	1	No Exposure Certification
T Marzetti Company	3838 Indianola Ave	43214			1	1	General Permit
CSX, Inc.	2600 Parsons Ave	43207			1	1	General Permit
T Marzetti Company - Allen Division	1709 Frank Rd	43223			1	1	General Permit
Pick-n-Pull	2716 Groveport Rd	43207			1	1	General Permit
Ace Iron & Metal	2515 Groveport Rd	43207			1	1	General Permit
Reliable Truck Parts	1950 Refugee Rd.	43207			1	1	General Permit
Ace Iron & Metal	1662 Williams Rd	43207			1	1	No Exposure Certification
Damos Auto & Shipping	4824 Fisher Rd.	43228			1	1	General Permit
Edison Automotive, Inc.	1529 McKinley Ave	43222			1	1	General Permit
Jon Edwards Steel Company	1777 McKinley Ave	43222			1	1	General Permit
JETCOAT	472 Brehl Ave	43223			1	1	General Permit
GREIF	3024 Charter St	43228			1	1	No Exposure Certification eligible; Owner & OEPA notified
LCG Machine & Tool, Inc.	2923 Grasmere Ave	43224			1	1	No Exposure Certification eligible; Owner & OEPA notified
Vertex Refining	4001 E. 5th Ave.	43219			1	1	General Permit
Refuel Environmental Services LLC	4280 Groves Rd	43232	2/12/2020	2/12/2020	1	1	No Exposure Certification
National Lime & Stone Company	4390 Fisher Rd	43228	3/3/2020	3/11/2020	1	1	General Permit
Wheel Medic, Inc.	2971 Silver Dr	43224	9/18/2020	9/22/2020	1	1	No Exposure Certification eligible; Owner & OEPA notified
Appian Manufacturing Corporation	2025 Camaro Dr	43207	11/10/2020	11/10/2020	1	1	No Exposure Certification
Industrial Aluminum & Bronze Foundry, Inc. (IABF)	1890 McKinley Ave	43222	12/58/2020	12/8/2020	1	1	No Exposure Certification
Prism Prints Inc /Mo Jo Sportsgear	5765 Westbourne Ave	43213	12/30/2020	12/30/2020	1	1	No Exposure Certification
Welch Packaging	4700 Alkire Rd	43228			1	1	No Exposure Certification eligible; Owner & OEPA notified
Galaxy Metals	1559 McKinley Ave	43222			1	1	General Permit eligible; Owner & OEPA notified
Advance Industrial Manufacturing, Inc.	1996 Longwood Ave	43123			1	1	General Permit
Linde Gas North America	1699 Feddern Ave	43123			1	1	No Exposure Certification eligible; Owner & OEPA notified
Buckeye Body and Equipment	939 E Starr Ave	43201			1	1	No Exposure Certification
Environmental Enterprises, Inc.	1249 Essex Ave	43201			1	1	No Exposure Certification
New World Recycling, LLC	1079 E 5th Ave	43201			1	1	General Permit
Buckeye Boxes, Inc.	601 N Hague Ave	43204			1	1	No Exposure Certification
Buckeye Boxes, Inc Warehouse	665 N Hague Ave	43204			1	1	No Exposure Certification
PHPK Technologies	2111 Builders Pl	43204			1	1	No Exposure Certification
The Tarrier Steel Company, Inc.	1379 S 22nd ST	43206			1	1	General Permit
Bo-Mic Enterprises, Inc.	715 Marion Rd	43207			1	1	General Permit eligible; Owner & OEPA notified
Ironfab, LLC	1771 Progress Ave	43207			1	1	No Exposure Certification
Arcelormittal Columbus, LLC	1800 Watkins Rd	43207			1	1	General Permit

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
BB Plastics Recycling	3300 Lockbourne Rd	43207	1/30/2020		1	1	No Exposure Certification
Buckeye Shapeform	555 Marion Rd	43207	1/30/2020		1	1	No Exposure Certification
Central Ohio Oil, Inc.	795 Marion Rd	43207			1	1	General Permit
Forty Eight Solutions	2130 New World Drive	43207			1	1	No Exposure Certification
Howard Industries, Inc.	1840 Progress Ave	43207			1	1	No Exposure Certification
Hudson Meat Company	2320 S 7th St	43207			1	1	No Exposure Certification
KGR Auto Salvage	2020 Refugee Rd	43207			1	1	General Permit
Millwood, Inc.	1886 Williams Rd	43207			1	1	No Exposure Certification
Ohio E-Waste Recycling, Inc.	2050 Williams Rd	43207			1	1	No Exposure Certification
Parsons Auto Parts, LLC	2250 Parsons Ave	43207			1	1	General Permit
South High Auto Parts	3040 S High St	43207			1	1	General Permit
Vitale Poultry Company	1415 Universal Road	43207			1	1	No Exposure Certification
Ohio Fabrication & Welding	1465 Clara Ave	43211			1	1	General Permit
Banner Metals Group	1308 Holly Ave	43212	2/19/2020		1	1	No Exposure Certification
Geiger Excavating, Inc.	400 Morrison Rd	43213			1	1	General Permit
Hoof Hearted Brewery	850 N 4th St	43215			1	1	No Exposure Certification
Jeni's Splendid Ice Cream	909 Michigan Ave	43215			1	1	No Exposure Certification
A-Z Recycling	1465 E 17th Ave	43219			1	1	General Permit
Calgon Carbon Corporation	835 N Cassady Ave	43219			1	1	General Permit
All City Auto Wrecking, Inc.	1441 Joyce Ave	43219			1	1	General Permit
Burton Metal Finishing, Inc.	1711 Woodland Ave	43219			1	1	General Permit
Green Auto Parts & Salvage	844 N Cassady Ave	43219			1	1	TBD
Jax Wax, Inc.	3150 Lamb Ave	43219			1	1	No Exposure Certification
Metro Auto/Dublin Taxi	1555 - 1579 Joyce Ave	43219			1	1	General Permit
RAP Management	4569 E. 5th Avenue	43219			1	1	General Permit
Universal Auto Parts	1061 McKinley Ave	43222			1	1	TBD
Able Pallet Manufacturing & Repair	1271 Harmon Ave	43223			1	1	General Permit
Blackburn's Fabrication, Inc.	2467 Jackson Pike	43223			1	1	General Permit
Driveline 1	1369 Frank Rd	43223			1	1	No Exposure Certification
Roof to Road, LLC	888 Frank Rd	43223			1	1	TBD
Madmoon Craft Cidery	2138 Britains Lane	43224			1	1	No Exposure Certification
Buckeye Recycling Center	3483 Fulton St	43227			1	1	TBD
Cozmyk Enterprises, Inc.	3757 Courtright Ct	43227			1	1	No Exposure Certification
McGlaughlin Oil Company	3750 E Livingston Ave	43227			1	1	General Permit
Steer & Gear, Inc.	3459 E Fulton St	43227			1	1	No Exposure Certification
Steer & Gear, Inc.	1000 Barnett Rd	43227			1	1	No Exposure Certification
Parker Hannifin Corporation	3885 Gateway Blvd	43228			1	1	No Exposure Certification
Simply Self Storage	4600 Fisher Rd	43228			1	1	No Exposure Certification
Fournier Rubber & Supply Company	4849 Evanswood Dr	43229			1	1	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
MS Energy of Central Ohio, LLC	946 Freeway Dr N	43229			1	1	No Exposure Certification
Patrick Manufacturing	5474 Byers Cir W	43229			1	1	No Exposure Certification
Columbus Micro System, Inc.	5087 Westerville Rd	43231			1	1	No Exposure Certification
Hamilton Road Materials	4100 Truro Station Rd	43232			1	1	TBD
Inteplast Pitt Plastics, Inc.	3980 Groves Rd	43232			1	1	General Permit
Griffen Hollow Studios	4608 Indianola Ave. Suite E	43214			1	1	TBD
Budget Storage	3376 Refugee Rd	43232			1	2	TBD
United States Postal Service	6316 Nicholas Dr	43235			1	2	No Exposure Certification
Environmental Enterprises, Inc.	645 E 8th Ave	43201			1	2	No Exposure Certification eligible; Owner & OEPA notified
J B Hunt Transport, Inc.	5435 Crosswind Dr	43228			1	2	General Permit
Signature Flight Support	4130 E. 5th Ave.	43219			1	2	General Permit
United Parcel Service -UPS Ground Freight Inc	3400 Refugee Rd	43232			1	2	General Permit
Express Container	1795 Feddern Ave	43123			1	2	No Exposure Certification
UPS Cartage Services, Inc.	1711 Georgesville Rd	43228	2/7/2020	2/10/2020	1	2	General Permit
Advantage Tank Lines, LLC	500 Manor Park Dr	43228	2/13/2020	2/19/2020	1	2	General Permit
Sygma Network, Inc.	2400 Harrison Rd	43204	2/13/2020	2/20/2020	1	2	General Permit
Car-Go-Self Storage	3935 Westerville Rd	43224	2/27/2020	2/28/2020	1	2	No Exposure Certification
USF Holland, Inc.	4800 Journal St	43228	3/18/2020	3/30/2020	1	2	General Permit
Ward Transport & Logistics	1601 McKinley Ave	43222	3/31/2020	3/31/2020	1	2	No Exposure Certification
Allied Fabricating & Welding Company	5699 Chantry Dr	43232	4/7/2020	4/30/2020	1	2	No Exposure Certification
Berger Transfer & Storage, Inc.	1111 Milepost Dr	43228	4/16/2020	5/28/2020	1	2	No Exposure Certification eligible; Owner & OEPA notified
Peebles-Herzog, Inc.	50 Hayden Ave	43222			1	2	No Exposure Certification
Lexington Intermodal	1585 Frebis Road	43206			1	2	No Exposure Certification eligible; Owner & OEPA notified
PS Plastics, Inc.	2020 Britains Ln	43224			1	2	No Exposure Certification
Car-Go Self Storage	3613 Refugee Rd	43232			1	2	No Exposure Certification eligible; Owner & OEPA notified
Builders Trash Service	1575 Harmon Ave	43223			1	2	General Permit
Central Ohio Transit Authority	1330 Fields Ave	43201			1	2	No Exposure Certification
Central Ohio Transit Authority	1333 Fields Ave	43201			1	2	No Exposure Certification
Republic Services, Inc Reynolds Road Transfer Station	805 Reynolds Ave	43201			1	2	General Permit
Rumpke Waste & Recycling	1191 Fields Ave	43201			1	2	General Permit
Action Resources	1484 Williams Road	43207			1	2	No Exposure Certification eligible; Owner & OEPA notified
Keystone Freight Corporation	2545 Parsons Ave	43207			1	2	No Exposure Certification
Local Waste Services, LLC	1300 S Columbus Airport Rd	43207			1	2	TBD
Royal Building Products - Formerly Exterior Portfolio, LLC North Plant	1550 Universal Rd	43207			1	2	General Permit
Royal Building Products - Formerly Exterior Portfolio, LLC South Plant	1441 Universal Rd	43207			1	2	General Permit
Spartan Logistics - Vehicle Maintenance Garage	4025 Lockbourne Industrial Pkwy	43207			1	2	General Permit
Tubelite Company, Inc.	1224 Refugee Ln	43207			1	2	No Exposure Certification
American Limousine Service	1251 Alum Creek Dr	43209			1	2	No Exposure Certification
Amcor Plastic Products	444 McCormick Blvd	43213			1	2	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Rolling Frito-Lay Sales, LP	6611 Broughton Ave	43213			1	2	General Permit
Ppafco, Inc.	1096 Ridge St	43215			1	2	No Exposure Certification
Forward Air, Inc.	6750 Port Rd	43217			1	2	No Exposure Certification
ISP Chemicals, Inc.	1979 Atlas St	43228			1	2	General Permit
Entrotech, Inc.	1245 Kinnear Rd	43212			1	2	No Exposure Certification
Columbus Coach Transportation	3034 Lamb Ave.	43219			1	2	No Exposure Certification eligible; Owner & OEPA notified
VAT, Inc Columbus Bus Compound	952 Brentnell Ave	43219			1	2	General Permit
BB Bradley Company	2699 Scioto Pkwy	43221	2/13/2020		1	2	No Exposure Certification
Engineered Profiles LLC	2141 Fairwood Ave	43207			1	2	General Permit
Columbus Gasket and Supply Company	1875 Lone Eagle St	43228			1	2	No Exposure Certification
Commercial Works, Inc.	1299 Boltonfield St	43228			1	2	No Exposure Certification
Junk King	819 Phillipi Rd	43228			1	2	No Exposure Certification
The Mason and Dixon Lines, Inc.	2950 International St	43228			1	2	TBD
Great Value Storage	5301 Tamarack Cir E	43229			1	2	TBD
Two Men and a Truck	5083 Westerville Rd	43231			1	2	No Exposure Certification
MedFlight	2827 W Dublin Granville Rd	43235			1	2	General Permit
Lakefront Lines, Inc.	3152 E 17th Ave	43236			1	2	No Exposure Certification
Pasta Ditonis, Inc.	733 N James Rd	43219			1	3	No Exposure Certification eligible; Owner & OEPA notified
Universal Paper and Plastics	521 Marion Rd	43207			1	3	TBD
Key Finishes, LLC	727 Harrison Dr	43204			1	3	No Exposure Certification
Cardinal Transportation Ltd	700 Harrison Drive	43204			1	3	General Permit
Wolf Composite Solutions	3991 Fondorf Dr	43228			1	3	No Exposure Certification
Auddino's Italian Bakery	1490 Clara Ave	43211			1	3	No Exposure Certification
Fastsigns	205 E Broad St	43215			1	3	No Exposure Certification
Clark Graphics, Inc.	1550 N Wilson Rd	43204			1	3	No Exposure Certification
Fellers, Inc.	3777 Business Park Dr, Ste D	43204			1	3	No Exposure Certification
Uncle Chuck's Printing and Signs	2541 W Broad St	43204			1	3	No Exposure Certification
McGraw-Hill Education (Polaris Facility)	8787 Orion Pl	43240			1	3	No Exposure Certification
Public Storage	2655 Billingsley Rd	43235			1	3	No Exposure Certification
Studio AMG, LLC	6344 Nicholas Dr	43235			1	3	No Exposure Certification
Brothers Drake Meadery	26 E 5th Ave	43201			1	3	No Exposure Certification eligible; Owner & OEPA notified
North High Brewing	1125 Cleveland Ave	43201			1	3	No Exposure Certification
Sherwin-Williams Company	2121 New World Dr	43207			1	3	General Permit
Budget Storage	6805 Commerce Court Dr	43004			1	3	No Exposure Certification
English Bay Batter, Inc.	2241 Citygate Dr	43219			1	3	No Exposure Certification
Metamateria	870 Kaderly Drive	43228			1	3	No Exposure Certification eligible; Owner & OEPA notified
Extra Space Storage	2087 S Hamilton Rd	43232			1	3	No Exposure Certification
Extra Space Storage	3015 W Dublin Granville Rd	43235			1	3	No Exposure Certification
Briskheat Corp.	4800 Hilton Corporate Dr.	43232			1	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
City of Columbus Police Heliport	2130 W Broad Street	43223			1	3	General Permit
Magnum Products	3939 E. 5th St.	43219			1	3	General Permit
Bell Optical	3671 Interchange Rd	43204			1	3	No Exposure Certification
Network Global Logistics	1500 Commodity Blvd	43137			1	3	TBD
Tri Village Self Storage	5235 Avery Run Rd.	43016			1	3	No Exposure Certification
IRG Realty Advisors, LLC	4545 Fisher Rd.	43228			1	3	No Exposure Certification
Access Corporation	2612 Walcutt Road	43026	1/13/2020	1/14/2020	1	3	No Exposure Certification eligible; Owner & OEPA notified
Jordan Manwaring (Extra Space Storage)	2929 Dublin Rd	43026	1/13/2020	1/14/2020	1	3	No Exposure Certification
Access Corporation	2500 Charter St	43228	1/13/2020	1/14/2020	1	3	No Exposure Certification eligible; Owner & OEPA notified
B & G Tool Company	4832 Kenny Rd	43220	1/15/2020	1/16/2020	1	3	No Exposure Certification eligible; Owner & OEPA notified
CubeSmart Self Storage	5252 Nike Dr	43026	1/28/2020	1/30/2020	1	3	No Exposure Certification
Snyder Brick & Block	3180 Valleyview Dr	43201	1/24/2020	1/30/2020	1	3	General Permit
Wild Ohio Brewing	2025 S. High	43207	1/29/2020	1/30/2020	1	3	No Exposure Certification
CubeSmart Self Storage	3391 S High St	43207	2/5/2020	2/6/2020	1	3	No Exposure Certification
Able Printing Company	1325 Holly Ave	43212	2/5/2020	2/6/2020	1	3	No Exposure Certification
Pretentious Barrel House	745 Taylor	43219	2/11/2020	2/20/2020	1	3	No Exposure Certification
Public Storage	4511 Eastland Dr	43232	2/21/2020	2/21/2020	1	3	No Exposure Certification eligible; Owner & OEPA notified
Public Storage	5275 Gender Rd	43110	3/10/2020	3/10/2020	1	3	No Exposure Certification
Extra Space Storage	4616 Kenny Rd	43220	3/24/2020	3/24/2020	1	3	No Exposure Certification
Extra Space Storage	2160 Innis Road	43224	3/24/2020	3/24/2020	1	3	No Exposure Certification
Sterling Process Engineering & Services, Inc.	333 McCormick Blvd	43213	10/2/2020	10/2/2020	1	3	No Exposure Certification
The ScareFactory, Inc.	350-C McCormick Blvd	43213	10/2/2020	10/2/2020	1	3	No Exposure Certification
Essilor of America	2400 Spiegel Dr.	43125	11/25/2020	11/25/2020	1	3	No Exposure Certification
Industrial Pattern & Manufacturing Company	899 N 20th St	43219	12/8/2020	12/8/2020	1	3	No Exposure Certification
Beckman XMO	376 Morrison Rd, Ste D	43213	12/30/2020	12/30/2020	1	3	No Exposure Certification
The Ink Well	1939 E Dublin Granville Rd	43229			1	3	No Exposure Certification eligible; Owner & OEPA notified
Printpro, Inc.	760 Busch Ct	43229			1	3	No Exposure Certification eligible; Owner & OEPA notified
Mid-Ohio Electric Company	1170 McKinley Ave	43222			1	3	No Exposure Certification
CubeSmart Self Storage	1531 Georgesville Rd	43228			1	3	No Exposure Certification eligible; Owner & OEPA notified
Yazaki North America	5353 Fisher Rd	43228			1	3	No Exposure Certification eligible; Owner & OEPA notified
Simply Self Storage	810 E Cooke Rd	43214			1	3	No Exposure Certification
Public Storage	4600 Kenny Rd	43220			1	3	No Exposure Certification
Catering By Design	6465 Busch Blvd	43229			1	3	No Exposure Certification
The Flag Lady's Flag Store	4567 N High St	43214			1	3	No Exposure Certification
Uncle Bob's Self Storage	851 W Henderson Rd	43214			1	3	No Exposure Certification
Storage Express	5621 Chatterton Rd	43232			1	3	No Exposure Certification eligible; Owner & OEPA notified
Rickly Hydrological Company, Inc.	1700 Joyce Ave	43219			1	3	No Exposure Certification
Great Value Storage	9984 S Old State Rd	43035			1	3	No Exposure Certification
Alliance Data Systems Corporation	6939 Americana Pkwy	43068			1	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Great Value Storage	7200 Tussing Road	43068			1	3	No Exposure Certification
Simply Self Storage	7304 Tussing Rd	43068			1	3	No Exposure Certification
Public Storage	7535 Alta View Blvd	43085			1	3	No Exposure Certification
Advance Apex Companies	2375 Harrisburg Pike	43123			1	3	No Exposure Certification
Nifco, Inc.	2435 Spiegel Dr	43125			1	3	No Exposure Certification
Camelot Cellars	958 N High St	43201			1	3	No Exposure Certification
Middle West Spirits	470 E. Starr	43201			1	3	No Exposure Certification eligible; Owner & OEPA notified
Signage Consultants, Inc.	870 E 5th Ave	43201			1	3	No Exposure Certification
Rambling House Soda	2632 N High St, Unit A	43202			1	3	No Exposure Certification
Extra Space Storage	191 N Wilson Rd	43204			1	3	No Exposure Certification
Landon Vault Co.	1477 Frebis Ave	43206			1	3	General Permit
Allied Sign Company	818 Marion Rd	43207			1	3	No Exposure Certification
Boss Display Corporation	1975 Galaxie St	43207			1	3	No Exposure Certification
Cloverleaf Cold Storage	2350 New World Dr	43207			1	3	No Exposure Certification
Franklin International, Inc.	2020 Bruck St	43207			1	3	General Permit
Old Trail Printing Company	100 Fornoff Rd	43207			1	3	No Exposure Certification
RJM Stamping Company	1641 Universal Rd	43207			1	3	No Exposure Certification
Upright Press	2060 S High St	43207			1	3	No Exposure Certification
Battery Shop of Columbus	1410 E. 17th Ave	43211			1	3	General Permit
Specialty Services Cabinetry	1382 Ohlen Ave	43211			1	3	No Exposure Certification
American Orthopedics, Inc.	1151 W 5th Ave	43212	2/19/2020		1	3	No Exposure Certification
Beaumont American Inc.	1473 Showcase Dr	43212	2/19/2020		1	3	No Exposure Certification
Bowman Industries, Inc.	857 King Ave	43212			1	3	General Permit
Affordable Granite	5664 Westbourne Ave	43213			1	3	No Exposure Certification
Cap & Associates, Inc.	445 McCormick Blvd	43213	10/2/2020		1	3	No Exposure Certification
Premier CounterTop Sales & Service, LLC	5767 Westbourne Ave	43213			1	3	No Exposure Certification
Commonhouse Ales	535 Short St	43215			1	3	General Permit
Elevator Brewing Company	165 N 4th St	43215			1	3	No Exposure Certification
Gordon Biersch	401 N Front St	43215			1	3	No Exposure Certification
Via Vecchia Winery	486 S Front St	43215			1	3	No Exposure Certification
Urban Express Charter/PDQ Transportation	1640 E 5th Ave	43219			1	3	General Permit
Columbus Glass Block	3091 E 14th Ave	43219			1	3	No Exposure Certfication
Jet Container Company	1033 Brentnell Avenue	43219			1	3	No Exposure Certification
Lehner Signs, Inc.	2983 Switzer Ave	43219			1	3	No Exposure Certification
Meyer Machine Tool Company	3434 E 7th Ave	43219			1	3	No Exposure Certification
Robey Tool & Machine	1593 E 5th Ave	43219			1	3	No Exposure Certification
Somewhere in Particular	5055 Dieker Road	43220			1	3	No Exposure Certification
LSI ADL Technology	2727 Scioto Pkwy	43221			1	3	No Exposure Certification
Morrison Sign Company, Inc.	2757 Scioto Pkwy	43221			1	3	No Exposure Certification

2020 Category 1 Industries

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Stone Center, LLC	1736 McKinley Ave	43222			1	3	TBD
Swan Freedom	1320 McKinley Ave, Suite A	43222			1	3	No Exposure Certification
Trio Insulated Glass, Inc.	1094 McKinley Ave	43222			1	3	No Exposure Certification
Concept Wear	950 Oakland Park Ave	43224			1	3	No Exposure Certification
Mr. Meatball Italian food Products	3716 Cleveland Ave	43224			1	3	No Exposure Certification
Vellus Products Inc.	6490 Fiesta Drive	43225			1	3	No Exposure Certification
CubeSmart	4061 Roberts Rd	43228			1	3	TBD
CubeSmart Self Storage	5411 W Broad St	43228			1	3	No Exposure Certification
Dublin Road Mini Storage, LLC	2087 Dublin Rd	43228			1	3	No Exposure Certification
Engineered Marble, Inc.	4064 Fisher Rd	43228			1	3	No Exposure Certification
MBM Ohio	4300 Diplomacy Dr	43228			1	3	No Exposure Certification
Medcare Ambulance	3699 Paragon Drive	43228			1	3	No Exposure Certification
Mont Granite, Inc.	2365 Setterlin Dr	43228			1	3	No Exposure Certification
North Shore Stone, Inc.	915 Manor Park Dr	43228			1	3	General Permit
Omnitech Electronics, Inc.	5090 Trabue Rd	43228			1	3	No Exposure Certification
Alvito Custom Imprints	726 E Lincoln Ave	43229			1	3	No Exposure Certification
Life Storage	4735 Evanswood Dr	43229			1	3	No Exposure Certification
Zaftig Brewing	7020A Huntley Road	43229			1	3	No Exposure Certification
Great Value Storage	5199 Westerville Rd	43230			1	3	No Exposure Certification
Cube Smart	3344 Morse Rd	43231			1	3	No Exposure Certification
Mobile-Shop Company, LLC	5089 Westerville Rd	43231			1	3	TBD
Extra Space Storage	2148 Cloverleaf Dr E	43232			1	3	No Exposure Certification
Kyron Tool & Machine Company, Inc.	2900 Banwick Rd	43232			1	3	No Exposure Certification
United Converting	3960 Groves Rd, Unit B	43232			1	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
G-Cor Automotive Corporation Surplus	2025 Corvair Ave	43207			2	1	No Exposure Certification
Trulite Glass and Aluminum Solutions	2395 Setterlin Rd	43228			2	1	No Exposure Certification
Scriptel Corporation	2178 Dividend Dr	43228			2	1	No Exposure Certification
Yenkin-Majestic Paint Corporation	1920 Leonard Ave	43219			2	1	General Permit
Decker Construction Company	3040 McKinley Ave	43204			2	1	General Permit
ContainerPort Group, Inc.	2400 Creekway Dr	43207			2	1	General Permit
Green Earth Recycling	2932 Brice Rd, Bldg #9	43109			2	1	General Permit
Skeeles Manufacturing, Inc.	4040 Fondorf Dr	43228	1/14/2020	1/14/2020	2	1	No Exposure Certification
Atlapac Corporation	2901 E 4th Ave	43219	1/16/2020	1/16/2020	2	1	No Exposure Certification
Scholz & Ey Engravers, Inc.	1558 Parsons Ave	43207	1/22/2020	1/22/2020	2	1	No Exposure Certification
Goodale Auto-Truck Parts Co., Inc.	1100 E 5th Ave	43201	2/11/2020	2/20/2020	2	1	No Exposure Certification
Accurate IT Services	3854 Fisher Road	43228	3/5/2020	3/5/2020	2	1	No Exposure Certification
Alro Steel Corp	555 Hilliard Rome Rd	43228	3/12/2020	3/13/2020	2	1	No Exposure Certification
Wolf Metals, Inc.	1625 W Mound St	43223	3/31/2020	3/31/2020	2	1	No Exposure Certification
EFCO Corporation	3900 Zane Trace Dr	43228	3/31/2020	4/1/2020	2	1	No Exposure Certification
Pactiv, LLC	1999 Dividend Dr	43228	4/8/2020	4/30/2020	2	1	No Exposure Certification
Pressure Connections Corporation	610 Claycraft Rd	43230	4/7/2020	4/30/2020	2	1	No Exposure Certification
Ball Metal Food Container Corporation	2690 Charter St	43228	4/16/2020	5/28/2020	2	1	No Exposure Certification
Buckeye Metal Works, Inc.	3240 Petzinger Rd	43232			2	1	No Exposure Certification
VanDyke Custom Iron, LLC	311 Outerbelt St	43213			2	1	No Exposure Certification
T Marzetti Co (R&D Technical Services)	3900 Indianola Ave	43214			2	1	No Exposure Certification
Phillips Oil Company	1877 McKinley Ave	43222			2	1	No Exposure Certification
Action Group, Inc.	411 Reynoldsburg New Albany Rd N	43004			2	1	No Exposure Certification
Tubular Techniques Corporation	3025 Scioto Darby Executive Ct	43026			2	1	No Exposure Certification
Farber Specialty Vehicles, Inc.	7052 Americana Pkwy	43068			2	1	No Exposure Certification
Microweld Engineering, Inc.	7451 Oakmeadows Dr	43085			2	1	No Exposure Certification
Vertiv North America	1050 Dearborn Dr	43085			2	1	General Permit
Worthington Industries, Inc./Wothington Cyclinder Corporation	1085/1205 Dearborn Dr	43085			2	1	General Permit
Worthington Steel Company	1127 Dearborn Dr	43085			2	1	No Exposure Certification
Buck Equipment, Inc.	1720 Feddern Ave	43123			2	1	No Exposure Certification
RelaDyne - Oil Distributing Company	2181 Hardy Parkway St	43123			2	1	General Permit
Container Management Company, LLC	1200 Corrugated Way	43201			2	1	No Exposure Certification
All Foreign Used Auto Parts, Inc.	500 N Wilson Rd	43204			2	1	General Permit
Columbus Roof Trusses, Inc.	2525 Fisher Rd	43204			2	1	No Exposure Certification
Custom Sign Center	400 N Wilson Rd	43204			2	1	No Exposure Certification
Hite Parts Exchange, Inc.	2235 McKinley Ave	43204			2	1	No Exposure Certification
Jones Lumber & Millwork Co.	57 N Sylvan Ave	43204			2	1	No Exposure Certification
Milspin	665 Hague Ave	43204			2	1	No Exposure Certification
Wasem Packaging and Crating Service (Evdon Corporation)	2591 Harrison Rd	43204			2	1	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Mills Metal Finishing, Inc.	1967-1977 McAllister Ave	43205			2	1	No Exposure Certification
Style-Rite Aluminum Awnings	572 S Nelson Rd, #N	43205			2	1	No Exposure Certification
Superior Welding Company	906 S Nelson Rd	43205			2	1	No Exposure Certification
Capitol Waste & Recycling Services, LLC	321 Dering Ave	43207			2	1	General Permit
Columbus Auto Shredding/U Part It	2181 Alum Creek Dr & 2338 Refugee Rd	43207			2	1	General Permit
Ohio Mulch Supply	2140 Advance Ave	43207			2	1	General Permit
PSC Metals, Inc.	2205 Parsons Ave	43207			2	1	General Permit
Superior Die Tool & Machine Company	2301 Fairwood Ave	43207			2	1	General Permit
Materials Science International, Inc.	1660 Georgesville Rd	43228			2	1	No Exposure Certification
Acrodyne Manufacturing Company	41 Kingston Ave	43207			2	1	No Exposure Certification
Benchmark by Kingspan	720 Marion Rd	43207			2	1	No Exposure Certification
Cumberlander Refuse, LLC	1972 S Champion Ave	43207	1/17/2020		2	1	No Exposure Certification
Dell Fixtures, Inc.	321 Dering Ave	43207			2	1	No Exposure Certification
G-Cor Automotive Corporation	2100 Refugee Rd	43207			2	1	General Permit
Georgia-Pacific Chemicals, LLC	1975 Watkins Rd	43207			2	1	General Permit
Hamilton Tanks, LLC	2200 Refugee Rd	43207			2	1	General Permit
Hirschvogel, Inc.	2230 S 3rd St	43207			2	1	General Permit
I H Schlezinger, Inc.	2040 S Parsons Ave	43207			2	1	No Exposure Certification
Kaffenbarger Truck Equipment Company	2310 Refugee Rd	43207			2	1	No Exposure Certification
Lamit Industries, Inc.	710 Marion Rd	43207			2	1	No Exposure Certification
Nelson Company	1951 Galaxie St	43207			2	1	No Exposure Certification
Ohio Wire Form & Spring Company	2270 S High St	43207			2	1	No Exposure Certification
Quadra-Tech, Inc.	864 E Jenkins Ave	43207			2	1	No Exposure Certification
Select Seating Group	862 E Jenkins Ave	43207			2	1	No Exposure Certification
Smith Dodson Lumber & Millwork	200 Colton Rd	43207			2	1	No Exposure Certification
Spillman Company	1701 Moler Rd	43207			2	1	General Permit
Superior Die Tool & Machine Company	1405 Marion Rd	43207			2	1	General Permit
United McGill Corporation	1779 Refugee Rd	43207			2	1	No Exposure Certification
United Security Seals, Inc.	2000 Fairwood Ave	43207			2	1	No Exposure Certification
V & S Columbus Galvanizing, LLC	987 Buckeye Park Rd	43207			2	1	General Permit
Fortin Ironworks, Inc.	1132 W 3rd Ave	43212			2	1	No Exposure Certification
Fortin Ironworks, Inc.	944 W 5th Ave	43212			2	1	No Exposure Certification
Glenn Avenue Soap Company	1166 W 5th Ave	43212			2	1	No Exposure Certification
Graffiti Foods, Inc.	333 Outerbelt St	43213			2	1	No Exposure Certification
Jacobi Carbons, Inc.	432 McCormick Blvd	43213			2	1	No Exposure Certification
Glockner Oil Company, Inc.	2144 John Glenn Ave, Ste B	43217			2	1	No Exposure Certification
Abbott Nutrition	3300 Stelzer Rd	43219			2	1	No Exposure Certification
PSC Metals, Inc.	1283 Joyce Ave	43219			2	1	General Permit
Resale Technologies	3065 E. 14th Ave.	43219			2	1	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Bodycote Thermal Processing, Inc.	1515 Universal Rd	43207			2	1	No Exposure Certification
COW Industries, Inc.	1875 Progress Ave	43207			2	1	No Exposure Certification
WestRock	1015 Marion Rd	43207			2	1	General Permit
Syscom Advanced Materials, Inc.	1255 Kinnear Rd, Ste 5	43212			2	1	No Exposure Certification
Columbus Powder Coating	876 N 20th St	43219			2	1	No Exposure Certification
I. H. Schlezinger, Inc.	1041 Joyce Ave	43219			2	1	General Permit
Karn Meats, Inc.	922 Taylor Ave	43219			2	1	No Exposure Certification
Lambert Sheet Metal, Inc.	3776 E 5th Ave	43219			2	1	No Exposure Certification
Masser Metals & Recycling	3103 Lamb Ave	43219			2	1	General Permit
McGlennon Metal Products, Inc.	940 N 20TH St	43219			2	1	No Exposure Certification
Ohio Anodizing Company, Inc.	915 N 20th St	43219			2	1	No Exposure Certification
Panacea Products Corporation	1825 Joyce Ave	43219			2	1	No Exposure Certification
Pinnacle Metal Products, Inc.	1701 Woodland Ave	43219			2	1	No Exposure Certification
United Alloys & Metals, Inc.	1177 Joyce Ave	43219			2	1	No Exposure Certification
Uni-Facs	1241 McKinley Ave	43222			2	1	No Exposure Certification
Clean Water Ltd.	2480 Jackson Pike	43223			2	1	No Exposure Certification
Peter K. Case	994 Frank Rd	43223			2	1	No Exposure Certification
Thurn's Specialty Meats	530 Greenlawn Ave	43223			2	1	No Exposure Certification
Team Industrial Services, Inc.	3005 Silver Dr	43224			2	1	No Exposure Certification
Defabco, Inc.	3765 E Livingston Ave	43227			2	1	No Exposure Certification
AY Manufacturing Ltd	5200 Crosswind Dr	43228			2	1	No Exposure Certification
Birchwood Foods, Inc.	1821 Dividend Dr	43228			2	1	General Permit
Core Molding Technologies, Inc.	800 Manor Park Dr	43228			2	1	General Permit
Ezzo Sausage Company	683 Manor Park Dr	43228	1/30/2020		2	1	No Exposure Certification
Pactiv LLC	2120 Westbelt Dr	43228			2	1	General Permit
Royal Paper Stock Company	1300 Norton Rd	43228			2	1	No Exposure Certification
Transmet Corporation	4290 Perimeter Dr	43228			2	1	No Exposure Certification
XPO Logistics Con-way Freight	2625 Westbelt Dr	43228			2	1	General Permit
MW Industries, Inc Capital Spring Division	2000 Jetway Blvd	43219			2	1	No Exposure Certification
Evans Adhesive Corporation Ltd.	925 Old Henderson Rd	43220			2	1	No Exposure Certification
GFS Chemicals, Inc.	851 McKinley Ave	43222			2	1	General Permit
Quality Bakery Company	50 N Glenwood Ave	43222			2	1	No Exposure Certification
Herman Falter Packing Company	384 Greenlawn Ave	43223			2	1	No Exposure Certification
Aerospace Lubricants, Inc.	1600 Georgesville Rd	43228			2	1	No Exposure Certification
Bonded Chemicals, Inc.	2645 Charter St	43228			2	1	No Exposure Certification
Champion Strapping Products	1819 Walcutt Rd	43228			2		No Exposure Certification
ConAgra Foods, Inc. (Ardent Mills)	4200 Sullivant Ave	43228			2		General Permit
CSX Intermodal	2351 Westbelt Dr	43228			2	1	General Permit
Environmental Reclaim, LLC	3900 Sullivant Ave	43228			2	1	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Mars Petcare, Inc.	5115 Fisher Rd	43228			2	1	General Permit
Ohio Label, Inc.	5005 Transamerica Dr	43228			2	1	No Exposure Certification
Panacea Products Corporation	2711 International St	43228			2	1	No Exposure Certification
Plastic packaging Technologies	4041 Roberts Rd	43228			2	1	No Exposure Certification
SCI Engineered Materials, Inc.	2839 Charter St	43228			2	1	No Exposure Certification
Simpson Strong-Tie Company, Inc.	2600 International St	43228			2	1	No Exposure Certification
NovoTec Recycling, LLC	3960 Groves Rd	43232			2	1	General Permit
Amazon.com Services	3800 Lockbourne Industrial Parkway	43207			2	1	No Exposure Certification
Certified Oil, Inc.	949 King Ave	43212			2	1	TBD
Norfolk Southern Corporation	2450 Fairwood Ave	43207			2	2	General Permit
Rosati Windows	4200 Roberts Rd	43228			2	2	No Exposure Certification
Dura-Belt, Inc.	3119 Scioto Darby Executive Ct	43026			2	2	No Exposure Certification
International Bulk Services (Watco Companies)	5075 Fisher Rd	43228			2	2	No Exposure Certification
Envoy Air, Inc.	4100 E 5th Ave, Hanger 7	43219			2	2	No Exposure Certification
Knight Transportation, Inc.	4275 Westward Ave	43228			2	2	General Permit
СОТА	1333 Fields Ave	43201			2	2	No Exposure Certification
Dynamex, Inc. (TF Fine Mile, LLC)	3840 Twin Creeks Dr	43204			2	2	No Exposure Certification
All-State Belting LLC	6951 Alan Schwartzwalder St.	43217			2	2	No Exposure Certification
Pitt Ohio Express, LLC	2101 Hardy Parkway St	43123			2	2	General Permit
FST Logistics, Inc.	5400 Renner Rd	43228			2	2	No Exposure Certification
Great Value Storage	1330 Georgesville Rd	43228	1/14/2020	1/14/2020	2	2	No Exposure Certification
City of Columbus Alum Creek Transfer Station	2100 Alum Creek Dr	43207		1/16/2020	2	2	General Permit
City of Columbus Georgesville Road Transfer Station	1550 Goergesville Rd	43228		1/16/2020	2	2	General Permit
City of Columbus Morse Road Transfer Station	4260 Morse Rd	43230		1/16/2020	2	2	General Permit
Central Ohio Transit Authority	1600 McKinley Ave	43222	2/27/2020	2/28/2020	2	2	No Exposure Certification
Columbus Distributing Company	4949 Freeway Dr E	43229	3/4/2020	3/4/2020	2	2	No Exposure Certification
FedEx Ship Center (FedEx Express - OSUA)	2424 Citygate Dr	43219	3/25/2020	3/25/2020	2	2	No Exposure Certification
Heidelberg Distributing Company	3801 Parkwest Dr	43228	3/26/2020	3/27/2020	2	2	No Exposure Certification
Premier Office Movers, LLC	3915 Zane Trace Dr	43228	3/31/2020	4/1/2020	2	2	No Exposure Certification
YRC Freight, Inc.	5400 Fisher Rd	43228	4/8/2020	4/30/2020	2	2	No Exposure Certification
J & R Schugel Trucking, Inc.	4630 Journal St	43228	9/29/2020	9/29/2020	2	2	No Exposure Certification
Ohio State University Airport	2160 W Case Rd	43017			2	2	General Permit
Precision Polymers, Inc.	6219 Americana Pkwy	43068			2	2	No Exposure Certification
Leaders Moving & Storage Company	7455 Alta View Blvd	43085			2	2	No Exposure Certification
Possible Plastics, Inc.	1620 Feddern Ave, Bldg B	43123			2	2	No Exposure Certification
Allied Custom Molded Products, Inc.	1240 Essex Ave	43201			2	2	No Exposure Certification
Quality Service Products	528 E Hudson St	43202			2	2	No Exposure Certification
LV Trucking, Inc.	2440 Harrison Rd	43204			2	2	No Exposure Certification
S&T Truck & Auto Service, Inc.	3150 Valleyview Dr, #8	43204			2	2	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Arch Express Transportation	1637 E Livingston Ave	43205			2	2	No Exposure Certification
Columbus Green Cab, Inc.	1989 Camaro Ave	43207			2	2	No Exposure Certification
Freedom Transport, Inc.	1879 Federal Pkwy	43207			2	2	No Exposure Certification
Jones Fuel Company	350 Frank Rd	43207			2	2	General Permit
Old Dominion Freight Line, Inc.	2885 Alum Creek Dr	43207			2	2	General Permit
Transflo Terminal Services, Inc.	3100 Lockbourne Rd	43207			2	2	General Permit
NAPA Transportation Inc	1484 Williams Road	43207			2	2	No Exposure Certification
Stericycle, Inc.	2341 Lockbourne Rd	43207			2	2	No Exposure Certification
Guardian Relocation	1570 Integrity Dr E	43209			2	2	No Exposure Certification
Ohio Foam Corporation	1513 Alum Creek Dr	43209			2	2	No Exposure Certification
Signature Cabinetry, Inc.	1285 Alum Creek Dr	43209			2	2	No Exposure Certification
Greyhound Lines, Inc.	111 E Town St	43215			2	2	General Permit
Wolf's Ridge Brewing	215 N 4th St	43215			2	2	No Exposure Certification
United States Postal Service	850 Twin Rivers Dr	43216			2	2	No Exposure Certification
United States Postal Service	2323 Citygate Dr	43218			2	2	No Exposure Certification
ABF Freight System, Inc.	1720 Joyce Ave	43219			2	2	General Permit
Hi-Lite Plastic Products	3760 E 5th Ave	43219			2	2	No Exposure Certification
Plaskolite, Inc.	1770 Joyce Ave	43219			2	2	General Permit
Plastic Suppliers, Inc.	2400 Marilyn Park Ln	43219			2	2	General Permit
Amatech Polycel, LLC	1633 Woodland Ave	43219			2	2	No Exposure Certification
Consolidated Container Company (CCC) LP/Ohio State Facility/AKA Ohio State	1917 Joyce Ave	43219			2	2	General Permit
A&R Transport, Inc.	1230 Harmon Ave	43223			2	2	General Permit
Republic Services	933 Frank Road	43223			2	2	General Permit
Strawser Construction, Inc.	1595 Frank Rd	43223			2	2	General Permit
Andrews Moving And Storage	2500 Charter St	43228			2	2	No Exposure Certification
Crete Carrier Corporation	5400 Crosswind Dr	43228			2	2	General Permit
Hogan Truck Leasing, Inc.	2550 Westbelt Dr	43228			2	2	General Permit
Planes Commercial Services	2131 Dividend Dr	43228			2	2	No Exposure Certification
Saia LTL Freight	1717 Krieger St	43228			2	2	General Permit
Swift Transportation Company	4141 Parkwest Dr	43228			2	2	General Permit
United Parcel Service-UPS Trabue	5101 Trabue Rd	43228			2	2	General Permit
Bolton Field	2000 Norton Rd	43228			2	2	General Permit
FedEx Ship Center (FedEx Express -CMHA)	2850 International St	43228			2	2	No Exposure Certification
FST Logistics, Inc.	2040 Atlas St	43228			2	2	No Exposure Certification
Genpak, LLC	845 Kaderly Dr	43228			2	2	General Permit
Planes Commercial Services	2000 Dividend Dr	43228			2	2	No Exposure Certification
W W Transport, Inc.	405 Commerce Sq	43228			2		No Exposure Certification
Savko Plastic Pipe & Fittings	683 E Lincoln Ave	43229			2		No Exposure Certification
Central Transport, Inc.	2450 Sobeck Rd	43232			2	2	General Permit

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Ernst Concrete	4252 Truro Station Rd	43232			2	2	General Permit
Sentek Corporation	1300 Memory Lane North	43209			2	3	No Exposure Certification
Heartland Express, Inc.	1800 Lone Eagle St	43228			2	3	No Exposure Certification
Car-Go-Self Storage (Sandilan Management Corporation)	490 N Hamilton Rd	43219			2	3	No Exposure Certification
Distinctive Surfaces, Inc.	5158 Sinclair Rd	43229			2	3	No Exposure Certification
Dura-Belt, Inc.	2909 Scioto Darby Executive Ct	43026			2	3	No Exposure Certification
Columbus Brewing Company	2555 Harrison Rd	43204			2	3	No Exposure Certification
Modlich Stoneworks, Inc.	2255 Harper Rd	43204			2	3	No Exposure Certification
Weldon A Div of Akron Brass Company	3656 Paragon Dr	43228			2	3	No Exposure Certification
Seekirk, Inc.	2420 Scioto Harper Dr	43204			2	3	No Exposure Certification
Sideswipe Brewing	2419 Scioto Harper Dr	43204			2	3	No Exposure Certification
Worldwide Flight Services, Inc.	4760 E 5th Ave	43219			2	3	No Exposure Certification
Mobile Mini, Inc.	871 Buckeye Park Rd	43207			2	3	No Exposure Certification
FedEx Office Print & Ship Center	8733 Sancus Blvd	43240			2	3	No Exposure Certification
La Voz Hispana Newspaper	3552 Sullivant Ave	43204			2	3	No Exposure Certification
Extra Space Storage	5660 W Broad St	43228			2	3	No Exposure Certification
Signature Wines	3816 April Ln	43227			2	3	No Exposure Certification
Beck & Orr Corporation	3097 W Broad St	43204			2	3	No Exposure Certification
Casino Self Storage	480 Exchange Dr	43228			2	3	No Exposure Certification
U-Haul of Worthington	7510 Worthington Galena Road	43085			2	3	No Exposure Certification
U-Haul of Worthington	7472 Reliance St	43085			2	3	No Exposure Certification
Worthington Machine Technology (Worthington Industries, Inc.)	1055 Dearborn Dr	43085			2	3	No Exposure Certification
Prime Now LLC	4401 Equity Drive	43228	1/3/2020	1/6/2020	2	3	No Exposure Certification
FedEx Office Print & Ship Center	5800 Frantz Rd	43016	1/13/2020	1/18/2020	2	3	No Exposure Certification
Fastsigns	2829 Festival Ln	43017	1/13/2020	1/18/2020	2	3	No Exposure Certification
JIT Company, Inc.	2180 Venus Dr	43026	1/28/2020	1/30/2020	2	3	No Exposure Certification eligible; Owner & OEPA notified
Lee's RV & Boat Storage	4200 Scioto Darby Creek Rd	43026	1/28/2020	1/30/2020	2	3	No Exposure Certification
Watkins Printing Company	1401 E 17th Ave	43211	2/5/2020	2/6/2020	2	3	No Exposure Certification
Beckenhorst Press, Inc.	960 Old Henderson Rd	43220	2/13/2020	2/13/2020	2	3	No Exposure Certification
Capital Prosthetic and Orthotic, Inc.	4678 Larwell Dr	43220	2/13/2020	2/13/2020	2	3	No Exposure Certification
C. Krueger's Finest Baked Goods	6845 Commerce Court Drive	43004	2/19/2020	2/20/2020	2	3	No Exposure Certification
Five Star Store It	4111 Groves Rd	43232	2/21/2020	2/21/2020	2	3	No Exposure Certification
Columbus Controls, Inc.	3573 Johnny Appleseed Ct	43231	2/25/2020	2/25/2020	2	3	No Exposure Certification
Middle West Spirits	1230 Courtland Ave	43201	2/26/2020	2/26/2020	2	3	No Exposure Certification
Campus Printing	2415 N High St	43202	2/26/2020	2/26/2020	2	3	No Exposure Certification
Lineage Brewing	2971 N High St	43202	2/26/2020	2/26/2020	2	3	No Exposure Certification
Frank Brunckhorst Company, LLC	2225 Spiegel Dr	43125	3/10/2020	3/10/2020	2	3	No Exposure Certification
Michael Neer (American Isostatic Presses, Inc.)	1205 S Columbus Airport Rd	43207	3/10/2020	3/10/2020	2	3	No Exposure Certification
Anthony Thomas Candy Company	1777 Arlingate Ln	43228	3/11/2020	3/13/2020	2	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
ITC Manufacturing, LLC	845 E Markison Ave	43207	3/12/2020	3/17/2020	2	3	No Exposure Certification
Honeywell International, Inc.	2080 Arlingate Ln	43228	3/17/2020	3/20/2020	2	3	No Exposure Certification
The Glass Block Warehouse	750 Kaderly Dr	43228	3/24/2020	3/24/2020	2	3	No Exposure Certification
FedEx Office Print & Ship Center	4516 Kenny Rd	43220	3/25/2020	3/25/2020	2	3	No Exposure Certification
Best Supply, Inc.	1885 O'Brien Rd	43228	9/29/2020	9/29/2020	2	3	No Exposure Certification
Wyandotte Winery, LLC	4640 Wyandotte Dr	43230	10/8/2020	10/15/2020	2	3	No Exposure Certification
Uncle Bob's Self Storage #724	6460 E Broad St	43213			2	3	No Exposure Certification
T Marzetti Co	3770 Indianola Ave	43214			2	3	No Exposure Certification
Kenwel Printers Inc	4272 Indianola Ave	43214			2	3	No Exposure Certification
Magnetic Springs Water Company	1917 Joyce Ave	43219			2	3	No Exposure Certification
R&J Bardon Printing & Graphics, Inc.	4676 Larwell Dr	43220			2	3	No Exposure Certification
Regal Springs Company	2140 Eakin Rd	43223			2	3	No Exposure Certification
Barley's Brewing Company	467 N High St	43215			2	3	No Exposure Certification
Capital City Awning	577 N 4th St	43215			2	3	No Exposure Certification
Art Brands, LLC	225 Business Center Dr	43004			2	3	No Exposure Certification
American Kenda Rubber Industrial Company Ltd	7095 Americana Pkwy	43068			2	3	No Exposure Certification
Daifuku America Corporation	6700 Tussing Rd	43068			2	3	No Exposure Certification
PXP OHIO	6800 Tussing Rd	43068			2	3	No Exposure Certification
Public Storage	5711 Westerville Rd	43081			2	3	No Exposure Certification
Ametek Solidstate Controls, Inc.	875 Dearborn Dr	43085			2	3	No Exposure Certification
Haman Midwest	7525 Pingue Dr	43085			2	3	No Exposure Certification
Mettler-Toledo, Inc.	1150 Dearborn Dr	43085			2	3	No Exposure Certification
Tecsis, LP	771-F Dearborn Park Ln	43085			2	3	No Exposure Certification
Boehm, Inc.	2050 Hardy Parkway St	43123			2	3	No Exposure Certification
C.H. Bradshaw Company	2004 Hendrix Dr	43123			2	3	No Exposure Certification
Blue Line Foodservice Distribution	2250 Spiegel Dr, Ste P	43125			2	3	No Exposure Certification
CEVA Logistics	2727 London Groveport Rd	43125			2	3	No Exposure Certification
Jacobson Companies	2450 Spiegel Dr, Ste A	43125			2	3	No Exposure Certification
Petsmart Distribution Center	6499 Adelaide Ct	43125			2	3	No Exposure Certification
City of Columbus Compost Facility	7000 Jackson Pike	43137			2	3	General Permit
City of Columbus Southerly WWTP	6977 S High St	43137			2	3	General Permit
Whirlpool Corporation	6241 Shook Rd	43137			2	3	No Exposure Certification
Rogue Fitness	545 E 5th Ave	43201			2	3	No Exposure Certification
The Seventh Son Brewing Company	1101 N 4th St	43201			2	3	No Exposure Certification
Amazon, LLC	3563 Interchange Rd	43204			2	3	No Exposure Certification
Bexley Pen Company, Inc.	2840 Fisher Rd # B	43204			2	3	No Exposure Certification
Casino Self Storage	3300 W Broad St	43204			2	3	No Exposure Certification
Columbus Instruments International Corporation	950 N Hague Ave	43204			2	3	No Exposure Certification
Custom Sign Center	3200 Valleyview Dr	43204			2	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Dick Cold Storage	3080/3100 Valleyview Dr	43204			2	3	General Permit
G2 Print Plus	3787 Interchange Rd	43204			2	3	No Exposure Certification
Harper Engraving & Printing Company	2626 Fisher Rd	43204			2	3	No Exposure Certification
Pengwyn	2550 W 5th Ave	43204			2	3	No Exposure Certification
Redhawk Global, LLC	2642 Fisher Rd, Ste B	43204			2	3	No Exposure Certification
Vectra, Inc.	3950 Business Park Dr	43204			2	3	No Exposure Certification
U-Haul Moving & Storage	1211 Parsons Ave	43206			2	3	No Exposure Certification
Blacco Splicing & Rigging Loft, Inc.	1976 Alum Creek Dr	43207			2	3	No Exposure Certification
Columbus Cold Storage	2159 Lockbourne Rd	43207			2	3	General Permit
ODW Logistics, Inc.	1580 Williams Rd	43207			2	3	General Permit
Oh! Chips	894 Scott St	43207			2	3	No Exposure Certification
Terminal Warehouse, Inc.	1658 Williams Rd	43207			2	3	General Permit
The N. Wasserstrom and Sons/Amtekco Industries, Inc.	2300 Lockbourne Rd	43207			2	3	General Permit
Baise Quality Printing	695 Koebel Ave	43207			2	3	No Exposure Certification
Cardinal Container Corporation	3700 Lockbourne Rd	43207			2	3	No Exposure Certification
Coca-Cola Refreshments	2455 Watkins Rd	43207			2	3	No Exposure Certification
Columbus Machine Works, Inc.	2491 Fairwood Ave, Ste 200	43207			2	3	No Exposure Certification
Scioto Ready Mix	1500 Williams Rd	43207			2	3	General Permit
Simply Self Storage	3171 S High St	43207			2	3	No Exposure Certification
The Stone & Granite Company	1300 Refugee Ln	43207			2	3	No Exposure Certification
TKS Industrial Company	1939 Refugee Rd	43207			2	3	No Exposure Certification
Conn's Potato Chip Company, Inc.	1271 Alum Creek Dr	43209			2	3	No Exposure Certification
Akzo Nobel Coatings, Inc.	1313 Windsor Ave	43211			2	3	General Permit
Gateway Self Storage	750 E 11th Ave	43211			2	3	No Exposure Certification
Grandon Manufacturing Company, Inc.	530 Dow Ave	43211			2	3	No Exposure Certification
Chester A Smith, Inc. Marble & Granite	1330 Norton Ave	43212	9/22/2020		2	3	No Exposure Certification
Fred D Pfening Company	1075 W 5th Ave	43212			2	3	No Exposure Certification
Fred D Pfening Company	1372 Oxley Rd	43212			2	3	No Exposure Certification
Knotty Pine Brewing	1765 W 3rd Ave	43212			2	3	No Exposure Certification
Stor-All Self Storage	824 W 5th Ave	43212			2	3	No Exposure Certification
Tritex Corporation	1390 Holly Ave	43212			2	3	No Exposure Certification
Watershed Distillery, LLC	1145 Chesapeake Ave, Ste D	43212	9/22/2020		2	3	No Exposure Certification
NFI Distribution (National Freight Industries, Inc.)	200 McCormick Blvd	43213			2	3	No Exposure Certification
Glass Axis	610 W Town St	43215			2	3	No Exposure Certification
Land Grant Brewing Company	424 W Town St	43215			2	3	No Exposure Certification
Lang Stone Company, Inc.	707 Short St	43215			2	3	No Exposure Certification
SafeWhit, Inc.	1275 Kinnear Rd, Ste 258	43215			2	3	No Exposure Certification
Smokehouse Brewing Company	1130 Dublin Rd	43215			2	3	No Exposure Certification
Hyperlogistics Group, Inc.	9301 Intermodal Ct N	43217			2	3	No Exposure Certification

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
Aqua Science, Inc.	1877 E 17th Ave	43219			2	3	No Exposure Certification
Marcy Enterprises, Inc.	2977 Lamb Ave	43219			2	3	No Exposure Certification
Rimrock Corporation	1700 Jetway Blvd	43219			2	3	No Exposure Certification
The Kingswood Company	3065 Switzer Ave	43219			2	3	No Exposure Certification
Carfagna's Italian Foods, LLC	3518 Johnny Appleseed Ct	43231			2	3	No Exposure Certification
Advanced Fuel Systems, Inc.	841 Alton Ave, Ste B	43219			2	3	No Exposure Certification
Candle With A Cause	659 N James Rd	43219			2	3	No Exposure Certification
Coalescence, LLC	3455 Millennium Ct	43219			2	3	No Exposure Certification
Columbus Glass & Mirror, Inc.	3034 Lamb Ave	43219			2	3	No Exposure Certification
Columbus Sign Company	1515 E 5th Ave	43219			2	3	No Exposure Certification
Dr. Pepper Snapple Group	950 Stelzer Rd	43219			2	3	No Exposure Certification
Harrop Industries, Inc.	3470 E 5th Ave	43219			2	3	No Exposure Certification
Hopkins Printing	2246 Citygate Dr	43219			2	3	No Exposure Certification
Lang Stone Company, Inc.	4099 E 5th Ave	43219			2	3	No Exposure Certification
Norse Dairy Systems	1740 E 17th Ave	43219			2	3	No Exposure Certification
Screen Printing Showhouse, Inc.	853 N Nelson Rd	43219			2	3	No Exposure Certification
Steelmasters of Columbus, Inc.	660 Concrea Rd	43219			2	3	No Exposure Certification
Allied Mineral Products, Inc.	2700 Scioto Pkwy	43221			2	3	General Permit
City of Columbus Jackson Pike WWTP	2104 Jackson Pike	43223			2	3	General Permit
Ernst Concrete	711 A Stimmel Rd	43223			2	3	General Permit
Machine Arts Company	663 Harmon Plaza	43223			2	3	No Exposure Certification
Signature Store Services	541 Dana Ave	43223			2	3	No Exposure Certification
Traxler Custom Printing	3029 Silver Drive	43224			2	3	No Exposure Certification
Digico Imaging, Inc.	3487 E Fulton St	43227			2	3	No Exposure Certification
Impress	3559 E Fulton St	43227			2	3	No Exposure Certification
Tranz Lights, Inc.	3492 E Fulton St	43227			2	3	No Exposure Certification
Composite Trade Printing	1757 Westbelt	43228			2	3	No Exposure Certification
Ernst Concrete, Inc.	569 N Wilson Rd	43228			2	3	General Permit
Generals Books & Blue & Gray Magazine	522 Norton Rd	43228			2	3	No Exposure Certification
Hikma Pharmaceuticals	1809 Wilson Rd	43228			2	3	No Exposure Certification
Quad Graphics, Inc.	4051 Fondorf Dr	43228			2	3	No Exposure Certification
Storage Express Management, LLC	1162 Norton Rd	43228			2	3	No Exposure Certification
SupplyOne, Inc.	5339 Fisher Rd	43228			2	3	No Exposure Certification
Tarrier Foods Corporation	2700 International St	43228			2	3	No Exposure Certification
Weldon A Division of Akron Brass Company	1736 Westbelt Dr	43228			2	3	No Exposure Certification
West Side Transport	1929 Lone Eagle St	43228			2	3	No Exposure Certification
Anheuser Busch, Inc.	700 Schrock Rd	43229			2	3	General Permit
G & J Pepsi-Cola Bottlers, Inc.	1241 Gibbard Ave	43219			2	3	General Permit
Accurate Manufacturing Company	1940 Lone Eagle St	43228			2	3	No Exposure Certification

2020 Category 2 Industries

Company	Site Address	Site Zipcode	Inspection 2020	Date of OEPA Notification	Category	Priority	Permit Status
AHMF, Inc.	2245 Wilson Rd	43228			2	3	No Exposure Certification
American Furukawa, Inc.	2181 International St	43228			2	3	No Exposure Certification
American LED-gible, Inc.	1776 Lone Eagle St	43228			2	3	No Exposure Certification
Auld Technologies, LLC	2030 Dividend Dr	43228			2	3	No Exposure Certification
Big Lots Stores, Inc.	500 Phillipi Rd	43228			2	3	No Exposure Certification
Dancor, Inc.	2155 Dublin Rd	43228			2	3	No Exposure Certification
Dee Printing, Inc.	4999 Transamerica Dr	43228			2	3	No Exposure Certification
FST Logistics, Inc.	1727 Georgesville Rd	43228			2	3	No Exposure Certification
Interline Brands, Inc.	2375 International St	43228			2	3	No Exposure Certification
Interstate Cold Storage, Inc Columbus I	4350 Roberts Rd	43228	1/22/2020		2	3	No Exposure Certification
Interstate Cold Storage, Inc Columbus II	2400 Setterlin Dr	43228	1/22/2020		2	3	No Exposure Certification
Mac Tools	4380 Old Roberts Rd	43228			2	3	No Exposure Certification
Mars Petcare, Inc.	5303 Fisher Rd	43228			2	3	No Exposure Certification
Monesi Trucking and Equipment Repair, Inc.	1715 Atlas St	43228			2	3	No Exposure Certification
Morrison Medical Ltd.	3735 Paragon Dr	43228			2	3	No Exposure Certification
Noise Suppression Technologies, Inc.	4182 Fisher Rd	43228			2	3	No Exposure Certification
Pactiv Corporation	2781 Westbelt Dr	43228			2	3	No Exposure Certification
The Columbus Dispatch	5300 Crosswind Dr	43228			2	3	No Exposure Certification
TRAC (Tri-Modal Service, Inc.)	2001 Walcutt Rd	43228			2	3	No Exposure Certification
Westbelt Storage	4445 Old Roberts Rd	43228			2	3	No Exposure Certification
Wilsonart International, Inc.	2500 International St	43228			2	3	No Exposure Certification
Public Storage	6401 Busch Blvd	43229			2	3	No Exposure Certification
Public Storage	4990 Sinclair Rd	43229			2	3	No Exposure Certification
Public Storage	6750 Ambleside Dr	43229			2	3	No Exposure Certification
ShadeTree Cool Living, LLC	6317 Busch Blvd	43229			2	3	No Exposure Certification
Public Storage	4060 Morse Rd	43230			2	3	No Exposure Certification
Anderson Aluminum Corporation	2816 Morse Rd	43231			2	3	No Exposure Certification
Public Storage	2719 Morse Rd	43231			2	3	No Exposure Certification
Quality Rubber Stamp, Inc.	3314 Refugee Rd	43232			2	3	No Exposure Certification
Specialty Printing & Processing	4670 Groves Rd	43232			2	3	No Exposure Certification
Calhoon Graphics, Inc. D.B.A. Quickprint Centre	1350 W 5th Ave	43212	3/5/2020		2	3	No Exposure Certification

Holistic Effects of Green Infrastructure Implementation in the Clintonville Neighborhood of Columbus Ohio: 2020 Interim Report

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Interim Report for 2016-2020

Volume I: Hydrology and Water Quality

Blueprint Columbus Monitoring

Written for the City of Columbus, Ohio

February 26, 2021

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Executive Summary

Left unchecked, increasing imperviousness in a watershed causes flooding and impacts receiving waters, causing erosion, loss of habitat, and increases in pollutant load. Before the 1970s, urban developments were drained with storm sewers but were often built with few stormwater controls. Aging infrastructure in these neighborhoods, which includes the Clintonville neighborhood in Columbus, Ohio, are one cause of sanitary sewer overflows (SSOs).

The Blueprint Columbus project is an innovative effort by the City of Columbus to eliminate SSOs through four pillars: (1) installing of green infrastructure to reduce stormwater runoff, (2) disconnecting downspouts, (3) installing sump pumps, and (4) lining sanitary sewer laterals to prevent infiltration and inflow. The effort is currently centered in Clintonville but will be expanded to other neighborhoods of the city.

This report details holistic hydrologic and water quality monitoring activities undertaken by Ohio State University between 2016 and 2020 to quantify and compare conditions prior to and after the installation of green infrastructure in this neighborhood. This volume of the final report represents interim findings for the research related to the hydrologic, water quality, and public health impacts of stormwater, which will not be fully completed until 2022. The four pillars of Blueprint were not online long enough in any of the three treatment sewersheds to evaluate their collective impact; this will be undertaken in future reports.

Six sewersheds in Clintonville were identified for long-term stormwater monitoring. Since initial monitoring began in 2016, one sewershed has served as a control (Beechwold) for the experiment (i.e., it did not receive any of the four pillars of Blueprint), while three sewersheds (Cooke-Glenmont, Indian Springs, and Blenheim) received varying intensities of green

infrastructure retrofits, sump pump installations, downspout disconnections, and sanitary sewer lateral lining. Monitoring began at two additional sewersheds where GI retrofits are not planned (Starrett and Whetstone) in 2019, which will serve as additional controls for the study.

Imperviousness within the six monitored sewersheds ranged from a minimum of 30.9% (Cooke-Glenmont) to a maximum of 44.6% (Blenheim), while the control sewersheds were 34.7-38.2% impervious. The Indian Springs sewershed was 75% residential, 8% commercial, and 17% institutional, differing substantially from the other five sewersheds which were, at minimum, 82% residential.

Rainfall and runoff were measured in each sewershed. Runoff was measured in a single storm sewer outfall draining the entire sewershed. Flow-proportional, composite water quality samples were obtained during wet weather events. Stormwater samples were analyzed for nutrient, sediment (TSS), *E. coli*, and metals concentrations and then utilized in conjunction with measured runoff volume to determine pollutant loading.

Across the six sewersheds, hydrologic data were collected for between 268 and 279 storms over the 52-month monitoring period between 2016-2020. Before the Blueprint Columbus project commenced (i.e., the pre-retrofit period), the four originally monitored sewersheds transmitted between one-fifth and one-third of rainfall as runoff (runoff coefficients between 0.18 and 0.33). Runoff coefficients increased during the post-GI phase in the Indian Springs and Cooke-Glenmont sewersheds as well as the control, Beechwold, likely due to precipitation patterns during an extremely wet 2018 (the wettest year on record in Columbus, OH) and early 2019. These runoff coefficients were modestly lower than other residential catchments with similar characteristics in the literature. The runoff coefficient of Indian Springs increased in the

post-Blueprint phase due to additional stormwater volumes conveyed to the sewershed outfall following the completion of the remaining Blueprint pillars in the sewershed.

Slight increases (0.01-0.07) in runoff thresholds, or the rainfall depth required to observe incipient runoff at the sewershed outlet, were observed in treatment sewersheds, indicative of the depressional storage added to the sewersheds with the installation of GI. Runoff depths during the post-Blueprint phase were significantly decreased by 3% in the Indian Springs sewershed compared to the control, Beechwold; however, statistically significant differences in runoff depth were not observed in the remaining treatment sewersheds. Significant peak flow reduction was observed in the Blenheim (85%) and Cooke-Glenmont (53%) sewersheds. Progress made toward completion of the remaining Blueprint pillars was evident in additional runoff conveyed to the outfalls of Cooke-Glenmont and Indian Springs. Results from Blenheim are influenced by a relatively small number of events sampled in the post-GI phase (n=26), wherein the Blenheim wetland received a portion of the flows from the Blenheim sewershed. Additional data collected in 2021-2022 are expected to provide greater certainty to Blenheim's hydrologic outcomes.

Across the six sewersheds, 83 to 135 storm events were sampled for water quality between 2016-2020. Apart from two outliers for nitrate (and therefore TN) at Beechwold and Cooke-Glenmont, nutrient, metals, and TSS concentrations and loads during the pre-retrofit period were within the range of residential runoff from past studies in North Carolina, Connecticut, and from 39 residential watersheds in the National Urban Runoff Program (NURP). Though statistical significance varied between sewersheds and pollutants, significant increases in pollutants exported from the treatment sewersheds following the installation of GI were *never* observed. Significant orthophosphate concentration and load reductions were only observed at Indian Springs, the only sewershed with permeable pavement retrofits. Reductions in TSS and cadmium

concentrations were similar (within a margin of 5%) to the percent of the sewershed imperviousness treated by GI. Clear annual load reductions for almost all water quality parameters were observed. These results demonstrate the pollutant removal effectiveness of the GI installed in these sewersheds compared to the control. Major takeaways of the hydrologic and water quality monitoring to date are presented in Table 1.

Table 1: Summary of statistically significant changes in hydrologic and water quality parameters in the treatment sewersheds between project phases.

		Blenheim Cooke-Glenmont		Indian Springs		
	Parameter	Pre-GI →	$Pre-GI^* \rightarrow$	Pre-GI →	Pre-GI →	
		Post-GI	Post-GI	Post-GI	Post-Blueprint	
Hydrology	Runoff Depth	-	-	-	3%↓	
Hydr	Peak Flow	85%↓	53% ↓	-	-	
Water Quality	Nitrogen	Conc: TAN: 69% ↓	Conc: TAN: 66% ↓ OrgN: 22% ↓	Conc: OrgN: 3% ↑ Load: TKN: 20% ↓ OrgN: 2% ↓ TN: 17% ↓	Conc: TAN: 25% ↓ TKN: 24% ↓ OrgN: 16% ↓ Load: NO3: 23% ↑	
	Phosphorus	Conc: PBP: 72% ↓ TP: 36% ↓	-	Load: TP: 28% ↓	Conc: OP: 42% ↓ PBP: 62% ↓ TP: 60% ↓	
	TSS	-	Conc: TSS: 62% ↓ Load: TSS: 78% ↓	Conc: TSS: 68% ↓ Load: TSS: 60% ↓	Conc: TSS: 76% ↓ Load: TSS: 65% ↓	
	Heavy Metals	Conc: Zn: 50% ↓	Conc: Cd: 63% ↓ Cr: 4% ↓ Cu: 36% ↓ Ni: 35% ↓ Pb: 50% ↓	Conc: Cd: 70% ↓ Ni: 14% ↓	Conc: Cd: 50% ↓ Cr: 55% ↓ Cu: 34% ↓ Pb: 68% ↓ Zn: 41% ↓	

^{*}Pre-GI phase includes data collected during both pre-retrofit and construction of GI periods.

The mean *E. coli* concentrations for the monitored sewersheds ranged from a minimum of 4.89x10⁴ CFU/100mL (Blenheim) to 1.51 x10⁶ CFU/100mL (Cooke-Glenmont) and exceeded US EPA criteria for recreational waters (126 CFU/mL) at all six sewershed outfalls in 2019. Significant differences in *E. coli* concentrations were not observed between the six monitored sewersheds, nor did they vary by season or the presence (or absence) of green infrastructure. Human and canine sources were identified by microbial source tracking (MST) as major sources of fecal contamination in all six sewersheds monitored in 2019. However, marker concentrations (excluding those from human sources) did not significantly differ between control and treatment sewersheds. Findings herein and in the literature support the conclusion of previous reports that there is possible presence of enteric pathogens in both stormwater and receiving waters.

Antibiotic resistance genes were present in samples collected from all six sewershed outfalls in 2019 but were not significantly different in sewersheds with GI compared to those where GI was not implemented.

Introduction

Urbanization and suburbanization result in the construction of impervious surfaces, mass grading, soil compaction, and removal of vegetative cover. These impacts reduce the combined effects of canopy interception, evapotranspiration, and infiltration in a watershed, resulting in an imbalance in the natural hydrologic processes (Shuster et al. 2005). The consequence is increased stormwater runoff volumes traveling faster over hardened impervious surfaces, leading to instability in receiving streams, bed and bank erosion, loss of in-stream habitat, and imbalances in sediment transport (Walsh et al. 2005; Violin et al. 2011; Tillinghast et al., 2011; ten Veldhuis and Schleiss 2017). Furthermore, these increased volumes of stormwater runoff often carry higher pollutant loads from urbanized areas than other land uses (Line and White 2007; Line and White 2015; Chen et al. 2016). The severity of impacts to receiving streams varies and is dependent on the percentage of imperviousness in the watershed, topography, soils, vegetation, and other local factors (Bell et al. 2016). Ten percent imperviousness in a watershed is generally accepted as the threshold for negative consequences to streams (Schueler et al. 2009).

To ameliorate some of these impacts, engineers design stormwater control measures (SCMs) to detain, retain, infiltrate, and evapotranspire stormwater, reducing the rate and volume of flow discharged to receiving streams (Moore et al. 2017). Novel treatment technologies such as bioretention and permeable pavement often focus on reducing runoff volume. These SCMs are central to Low Impact Development (LID) strategies which aim to more closely mimic predevelopment hydrology (Dietz 2007). Recent studies in Ohio have shown that bioretention and permeable pavement can substantially reduce runoff volumes even when constructed in clay soils (Winston et al. 2016b; Winston et al. 2018; Tirpak et al. 2021). Additionally, these SCMs often

employ sedimentation, filtration, adsorption, and biological processes to sequester or remove pollutants from stormwater (Davis et al. 2009; Winston et al. 2016a). Many studies of single SCMs have shown that if designed, installed, and maintained adequately, they function to reduce pollutant load to receiving streams, helping to meet total maximum daily load (TMDL) goals and reduce stream impairment.

A growing body of literature supports the use of LID with distributed SCMs in greenfield developments (Dietz and Clausen 2008; Line et al. 2012; Wilson et al. 2014). Implementation of LID in a residential development in Connecticut resulted in runoff volumes and peak flow rates 2.5 and 3.0 times lower than an adjacent traditionally drained residential development. The runoff coefficient (ratio of rainfall to runoff) for a commercial LID site was 0.02, while an adjacent commercial development drained by a dry pond had a runoff coefficient of 0.49 (Wilson et al. 2014). Total nitrogen (TN), total phosphorus (TP), and total suspended solids (TSS) pollutant load from a LID development was 23-92% less than an adjacent conventionally drained residential development (Line and White 2015). However, installing GI as part of new developments is substantially simpler, cheaper, and more effective than retrofitting GI into existing developments, since open space is limited, and existing utilities abound.

A study by Shuster and Rhea (2013) conducted in Cincinnati, Ohio, showed that voluntary retrofitting of rain barrels and rain gardens on residential parcels imparted a small but significant decrease in catchment-scale runoff volume. Modeling studies have shown that minor to vast differences in runoff reduction (10-70%) may be achieved when retrofitting SCMs depending on the type and scale of SCM implementation (Wright et al. 2016). Very few studies have evaluated the effects of a retrofitted network of LID SCMs in the municipal right-of-way. Page et al. (2015a, 2015b) conducted a study in Wilmington, NC to evaluate a control street and a nearby

retrofitted street with bioretention, permeable pavement, and high flow rate tree filters. When compared to the control catchment, runoff depth decreased by an average of 52% and pollutant load of nutrients, sediment, and metals decreased by 50-90%.

While the effects of urbanization on a watershed are well cataloged, there are relatively few studies that have quantified how targeted retrofitting of GI affects sewershed-scale hydrology and water quality. The goal of this research is to quantify the holistic impacts of green infrastructure implementation in the Clintonville neighborhood of Columbus, Ohio as part of the Blueprint Columbus project. This volume documents findings related to stormwater hydrology, water quality, and public health implications following the implementation of SCMs in the City of Columbus' rights-of-way.

Project Overview

Much of the City of Columbus has separated sewer systems. Sanitary sewer overflows (SSOs) remain a concern due to infiltration and inflow from leaky sewer pipes and porous utility trenches, causing capacity exceedance during rain events. In 2016, 127 SSO discharge events occurred across the remaining 34 SSO outfalls in Columbus (City of Columbus 2017a). These represent a significant public health risk (Liao et al. 2016) and the City of Columbus is under a USEPA consent decree to eliminate SSOs and combined sewer overflows (CSOs) within its jurisdiction. In response, the City of Columbus constructed the Olentangy-Scioto interceptor sewer to contain the CSOs and has evaluated the use of traditional grey measures (sewer lining and up-sizing pipes) to prevent SSOs. A cost-benefit analysis showed higher costs for traditional grey (\$2.5 billion) than green infrastructure measures (\$1.8 billion) to control SSOs, but with potential co-benefits (e.g., urban habitat, stormwater control, air quality, carbon sequestration,

housing values, and beautification) provided by the green infrastructure (Bolund and Hunhammar 1999; Arcadis 2015).

Given this potential net benefit with lower cost, the City of Columbus developed the Blueprint Columbus project as its long-term control plan for SSOs. Blueprint Columbus is a multi-pronged approach that includes the implementation of GI SCMs (i.e., bioretention, permeable pavement, and a constructed wetland), lining of sewer laterals, disconnection of roof downspouts to SCMs, and a voluntary sump pump program (Figure 1). It represents an unprecedented effort by the City of Columbus to retrofit a network of green infrastructure across the city to address numerous goals. The results of this report provide information to determine preliminary impacts of Blueprint Columbus on runoff quantity and quality (City of Columbus 2017b). This will inform future decisions about SSO control strategies, providing the city with data to produce a more accurate and comprehensive cost-benefit analysis. It will also guide the expansion of Blueprint Columbus to fulfill the city's USEPA consent decree to reduce SSOs in neighborhoods beyond Clintonville.



Figure 1. Four pillars of the Blueprint Columbus project.

Methods

Stormwater Runoff Hydrology and Water Quality

Description of Monitored Sewersheds

Six sewersheds in the Clintonville neighborhood of Columbus, Ohio were monitored to characterize runoff hydrology and water quality. There were very few preexisting SCMs within this neighborhood to treat and dissipate stormwater prior to the onset of the Blueprint Columbus project. The City of Columbus has installed green infrastructure (GI or GSI), disconnected downspouts, installed sump pumps, and lined sewer laterals in an effort to prevent sanitary sewer overflows (SSOs) in the Blenheim (also referred to as Blenheim-Glencoe), Cooke-Glenmont, and Indian Springs sections of the neighborhood (Figure 1, Figure 2, and Figure 24). The majority of the Beechwold area of the neighborhood was not retrofitted with GI (only 2% of the

watershed is treated by GI on a single street) and it served as the primary control in the experiment. In 2019, monitoring commenced in two additional control sewersheds, Whetstone and Starrett, selected based on their proximity to the original four sewersheds, where monitoring began in 2016. Like Beechwold, both the Whetstone and Starrett sewersheds are not scheduled to be retrofitted with GI or other Blueprint pillars. In addition, monitoring was conducted at a constructed wetland (Blenheim wetland), which was completed in 2019 and received runoff from a portion of the Blenheim sewershed.



Figure 2. Boundaries of the six sewersheds monitored in this study. Distribution of green infrastructure (GI), monitoring locations, and land use within each sewershed also shown. Remaining area within each sewershed not identified as Commercial or Institutional is Residential land use.

Except for commercial and institutional land use, Clintonville is a primarily residential neighborhood developed between 1910 and 1950. Six glacial ravines run east to west through Clintonville and eventually convey stormwater to the Olentangy River. Clintonville is drained with a system of separated storm sewers which generally outfall to the ravines. The Cooke-Glenmont, Indian Springs, and Blenheim sewersheds drain to Overbrook ravine while the Beechwold sewershed drains to the Beechwold ravine. Starrett and Whetstone both discharge directly to the Olentangy River. The soils in the sewersheds are primarily mapped as silt loams in the Cardington and Bennington soil series. While the development patterns differ to some extent (Figure 25 to Figure 30), the neighborhood consists primarily of small lot, single family residential (Table 2).

Table 2. Land use in the six monitored sewersheds in Clintonville.

Table 2. Dand use in the six monitored sewersheds in Chitonvine.							
Sewershed	Area	Land Use (ac)			Land Use (%)		
Sewershed	(ac)	Residential	Commercial	Institutional	Residential	Commercial	Institutional
Beechwold	275.5	263.6	10.0	2.0	95.7	3.6	0.7
Blenheim	151.4	134.2	7.4	9.9	88.6	4.9	6.5
Cooke- Glenmont	28.5	28.5	0	0	100	0	0
Indian Springs	118	89.3	9.0	20.5	75.0	7.6	17.4
Starrett	55	55	0	0	100	0	0
Whetstone	56	46	0	10	82.1	0	17.9

Stormwater monitoring of three treatment sewersheds began in 2016 prior to installation of GI. These sewersheds then had differing levels of GI implementation; qualitatively, Cooke-Glenmont has the lowest number of GI practices, followed Indian Springs, where a moderate number of practices were installed, and Blenheim, where the greatest number of GI practices were implemented. This facilitates comparisons of how GI density affects runoff quantity and quality at the sewershed scale. Because establishment of the Whetstone and Starrett sewershed monitoring locations occurred after GI implementation in the treatment sewersheds commenced,

they were excluded from all pre- versus post-GI performance analyses (i.e., only the Beechwold sewershed was used as a control). Instead, annual assessments of runoff hydrology will rely on all three control sewersheds, beginning in this report. Future reports may include annual water quality analyses comparing the full suite of treatment and control sewersheds.

Sewersheds were selected for monitoring based on the following criteria: (1) land use within the sewershed was representative of land use in the greater Clintonville area, (2) ease of access to the sewer outfall and safety of sampling staff, (3) ease of installation of monitoring equipment in and near the outfall, (4) reasonable sun exposure for solar panels to charge batteries to power the automated samplers, (5) expected hydrologic data quality based on downstream impediments to flow, and (6) willingness of adjacent landowner(s) to host monitoring equipment on their property.

The Cooke-Glenmont and Starrett sewersheds consisted entirely of residential land use, while Beechwold, Blenheim, and Whetstone were comprised of 96%, 89%, and 82% residential land use, respectively (Figure 2 and Table 2). Institutional land use (e.g., schools, libraries, and community centers) made up <1%, 6.5% and 17.9% of Beechwold, Blenheim, and Whetstone, respectively. The Indian Springs sewershed was comprised of 75% residential, 8% commercial, and 17% institutional land uses. Beechwold (276 acres) had nearly double the drainage area of the next largest sewershed (Blenheim), while the Cooke-Glenmont sewershed covered just 29 acres. The sewer outfalls for Beechwold, Blenheim, Indian Springs, Cooke-Glenmont, Starrett, and Whetstone were 54-inch diameter, 3 by 3 ft square, 42-inch diameter, and 18-inch diameter, 42- inch diameter, and 24-inch diameter concrete outfalls, respectively.

Impervious surfaces reduce infiltration and evapotranspiration in a watershed and are key factors in determining quantity (Shuster et al. 2005) and quality (Carle et al. 2005) of stormwater

runoff and the subsequent health of receiving water bodies (Schiff and Benoit 2007; Schueler et al. 2009). Imperviousness within the six monitored sewersheds ranged from a minimum of 30.9% (Cooke-Glenmont; see Figure 27 in Appendix B) to a maximum of 44.6% (Blenheim; see Figure 28 in Appendix B) (Table 3). The neighborhoods in Clintonville were comprised of approximately 40% impervious cover, similar to the imperviousness of the Beechwold (38.2%), Starrett (34.7%), and Whetstone (35.3%) sewersheds (Figure 25) (City of Columbus 2009). Roofs, roads, and driveways represented most of the impervious cover in all sewersheds. In each of the sewersheds, rooftops comprised approximately 40% of the total impervious area (TIA), while roads and driveways represented 20-30% and 15-25% of TIA, respectively. Sidewalks and parking lots represented <10% of the TIA in each sewershed, except for parking lots in Indian Springs and Whetstone (Figure 26), which were 17.5% and 22% of their TIA, respectively. Because the downspouts and driveways in Clintonville often directly discharge to the street, most of the TIA was directly connected to the sewer system. Pervious areas in the sewersheds were primarily residential yards and sporting fields; very few undisturbed natural or forested areas existed outside the ravines (Figure 25, Figure 26, Figure 27, Figure 28).

Table 3. Impervious surface types within each monitored sewershed.

Sewershed	Units	Area	Imperviousness	Roof Area	Road Area	Sidewalks	Driveways	Parking Lots	Pervious
Beechwold	acres	275.5	105.3	41.8	30.4	5.8	22.9	4.5	170.2
Beechwold	% of total area	-	38.2	15.2	11.0	2.1	8.3	1.6	61.8
Blenheim	acres	151.4	67.4	25.3	15.0	7.2	15.0	4.8	84.0
Bienneim	% of total area	-	44.5	16.7	9.9	4.8	9.9	3.2	55.5
Cooke-	acres	28.5	8.8	3.6	2.6	0.3	2.3	0.0	19.7
Glenmont	% of total area	-	30.9	12.5	9.3	1.2	8.0	0.0	69.1
Indian	acres	118	47.6	18.5	10.1	3.1	7.5	8.3	70.4
Springs	% of total area	-	40.3	15.7	8.6	2.7	6.4	7.0	59.7
Starrett	acres	55	19.1	7.2	6.8	0.7	4.4	0.0	35.9
Staffett	% of total area	-	34.7	13.1	12.4	1.3	8	0.0	65.3
Whetstone	acres	46	16.2	5.0	1.1	0.9	5.6	3.6	29.8
vv netstone	% of total area	-	35.3	10.9	2.4	2.0	12.2	7.8	64.7

Project Timelines

Each sewershed was monitored during a pre-retrofit phase to establish baseline hydrologic response and runoff quality. Blueprint Columbus was then implemented in two phases: (1) the GI construction phase sometimes followed by a respite in construction, and (2) downspout redirections, sanitary sewer lateral lining, and sump pump installations. A consistent monitoring scheme was employed before, during, and after all construction activities.

The number of bioretention cells (BRCs), downspout disconnections, sewer laterals lined, and sump pumps implemented in the monitored sewersheds are presented in Table 4. Between 22% and 44% of the treatment sewershed areas were drained through GI. Though fewer in number, the bioretention cells in Cooke-Glenmont had larger surface areas than those in Blenheim or Indian Springs. By the end of 2020, substantial progress was made to line sewer laterals and disconnect downspouts in the Cooke-Glenmont and Indian Springs sewersheds;

however, these Blueprint pillars were only implemented in a portion of the Blenheim sewershed at the time of report preparation.

Table 4. Monitored Blueprint sewersheds with the number of implemented practices for each pillar of the Blueprint project as of December 2020.

SEWERSHED*	DESIGN STYLE	NO. OF BRCs	% AREA TREATED BY GI	HOMES WITH DISCONN. DOWNSPOUTS	SEWER LATERAL S LINED	SUMP PUMPS INSTALLED
BEECHWOLD (CONTROL)	Bump- Outs	10	2%	0	0	0
BLENHEIM	In-Lawn	163	44%	33	502	Beginning 2021
COOKE- GLENMONT	Regional, In-Lawn	3	31%	60	262	0
INDIAN SPRINGS	Bump- Out, In- Lawn	32	22%	349	447	234

^{*}The Whetstone and Starrett control sewersheds did not receive any retrofits associated with the Blueprint Columbus project.

Timelines illustrating the progress of the Blueprint Columbus project in the treatment sewersheds are shown in Figure 3. Phases of the Blueprint Columbus project were used to assess the effects of Blueprint Columbus on sewershed hydrology and water quality. Generally, data were categorized into the following periods: (1) pre-retrofit, (2) construction, (3) post-GI, and (4) post-Blueprint. The pre-retrofit and the first phase of construction were combined for water quality analysis for the Cooke-Glenmont sewershed. As the first water quality sample was not collected until September 29, 2016, the combination of these project phases extended the three months of pre-retrofit data at Cooke-Glenmont to one year of baseline data (referred to as the "baseline" period) used to compare changes in the water quality resulting from GI installed in the sewershed. This allowed the impacts of seasonal changes in water quality to be captured in the pre-retrofit dataset. The combination of these project phases was further justified because no significant differences in total suspended solids or heavy metals, which are commonly associated with construction activities, were observed between the pre-retrofit and construction phases at Cooke-Glenmont. In all other cases, data collected during GI construction phases were not

utilized in the analysis herein and were generally not different from pre-retrofit periods. Further analysis of these data is expected in future reports. The post-GI and post-Blueprint periods represented periods of GI implementation along versus the completion of the four Blueprint pillars, respectively.

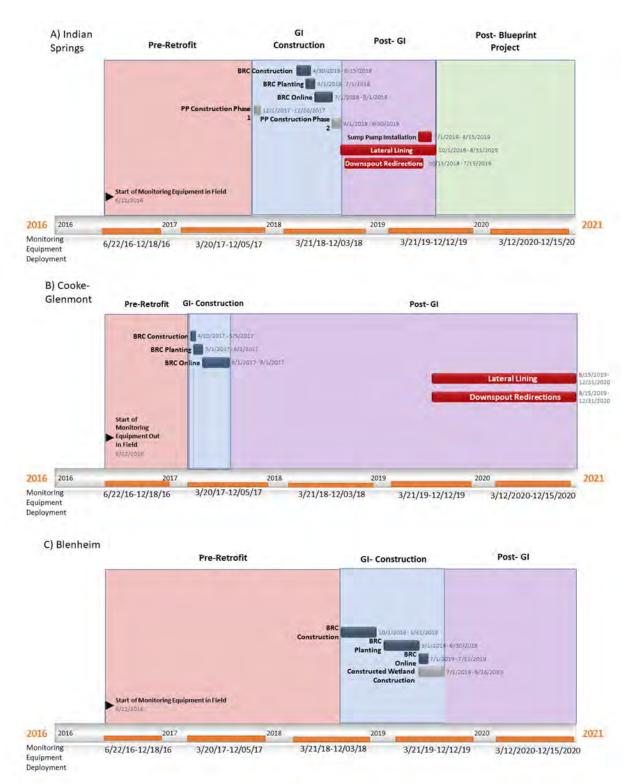


Figure 3. Project timelines of treatment sewersheds during the monitoring period.

The GI construction phase encompassed the three phases of GI retrofits: construction, planting, and establishment. The GI implemented in Indian Springs and Blenheim also included other technologies which complemented the BRCs. In Indian Springs, permeable pavements were constructed on five streets or alleys in the sewershed. In Blenheim, a constructed wetland (hereafter: Blenheim wetland) was installed and fed from a diversion control upstream of the existing sewershed outfall. During the establishment phase, runoff was routed away from the BRCs to provide a period for plants to establish (Figure 4). Breaks between the construction of GI and completion of remaining Blueprint pillars caused the duration of the post-GI period to vary greatly (8-40 months) between the treatment sewersheds. The additional Blueprint pillars were often implemented over several weeks to months, without constant construction occurring in the sewersheds. As of December 2020, Indian Springs was the only treatment sewershed where all Blueprint pillars were fully completed (Figure 3).





Figure 4. Bioretention cell with sandbag blocking the inlet and the same cell after sandbag was removed and runoff from street was routed into the practice. Blocking of the inlet structures prevented high-intensity runoff events from entering the practice immediately following planting to allow juvenile plants to become established in the bioretention media. An additional erosion control practice downstream of the inlet weir was added after the sandbag was removed.

As of the time of report preparation, sufficient data have been collected to make statistical inferences about changes in runoff quantity and quality following the implementation of GI in

the Blenheim, Cooke-Glenmont, and Indian Springs sewersheds using Beechwold as a control. However, analyses following the completion of Blueprint activities were limited to the Indian Springs sewershed. Continued data collection in 2021-2022 will support expanded post-Blueprint analyses in each of the treatment sewersheds in future reports.

Data Collection

A single rain gage cluster, consisting of a tipping bucket and a manual rain gage attached to a 6-ft tall wooden post, was installed in five of the six monitored sewersheds (a suitable location for a rain gauge in the Starrett sewershed could not be identified; Figure 5). Rainfall data were collected using 0.01-inch resolution Davis Rain Collector tipping bucket rain gages (Davis Instruments, Hayward, California) and stored on Hobo Pendant data loggers (Onset Computer Corporation, Bourne, Massachusetts). Rainfall data were stored on a 1-minute interval and downloaded to a field laptop every three weeks. Readings from manual rain gages (Productive Alternatives, Fergus Falls, Minnesota) were observed after each rainfall event to re-calibrate sampler pacing. Rain gage clusters were installed in locations free from overhead obstructions.



Figure 5. Rain gage cluster (left), sample intake (clear plastic) and area velocity meter (black) in the Cooke-Glenmont outfall (center), and automated sampler at Beechwold (right).

The six sewersheds and the Blenheim wetland were instrumented to quantify hydrology during baseflow and stormflow and obtain representative samples of stormwater quality.

Instrumentation was installed at outfalls draining each sewershed such that the total runoff discharged from each sewershed could be quantified (Figure 5). An ISCO 750 area velocity

meter (AVM; Teledyne Isco, Lincoln, Nebraska) was mounted to the bottom of the Beechwold, Starrett, Whetstone, Blenheim wetland (at both the inlet and outlet), and Cooke-Glenmont culverts and measured velocity and depth of flow. These sensors measure velocity by emitting a continuous ultrasonic wave that bounces off particles and bubbles in the flow. The frequency shift in the returned signal (i.e., the Doppler Effect) is used to determine the average flow velocity. An internal pressure transducer in the AVM measures flow depth. These measurements, along with the known cross-section of the outfall, were used by ISCO 6712 samplers to determine flow rate on 1-minute intervals. At Blenheim and Indian Springs, AVMs transmitted measurements to ISCO 2150 flow modules. These data were stored in ISCO 2100 sample interface modules and were used to trigger sample aliquots obtained by ISCO 3700 series samplers. Hydrologic data were downloaded every three weeks to a field laptop.

Runoff volume-proportional, composite stormflow samples were collected by either ISCO 6712 or 3700 series samplers (Figure 5). Flow rates were integrated with time to determine stormwater volume and trigger sample aliquots. Aliquots were paced such that up to a 2-inch rainfall event could be effectively sampled; the runoff volume needed to trigger each aliquot was varied frequently based upon measured runoff volume and associated rainfall depth at a monitoring site. While flow from the Cooke-Glenmont, Starrett, and Whetstone outfalls was ephemeral, the Beechwold, Blenheim, and Indian Springs outfalls had baseflow during interevent periods. For outfalls with baseflow, an enable trigger based on flow depth was set to ensure the sampler did not consider baseflow volume in the volumetric trigger for aliquot collection. Within each sampler, aliquots were composited in a single 18.9L bottle and thus characterized pollutant event mean concentrations (EMC).

All composite samples were composed of a minimum of five and a maximum of 50, 350 mL aliquots describing greater than 80% of the pollutograph (U.S. EPA 2002). All samples were collected within 24 hours of the cessation of rainfall. Sample strainers (Figure 5) were used to remove gross solids from the samples and were located where flow was well-mixed.

Data were collected during the 52-month period from June 2016 to December 2020.

Rainfall, hydrologic, and water quality data were not collected from December 19, 2016 through March 19, 2017, December 6, 2017 through March 20, 2018, December 4, 2018 through March 20, 2019 through December 13, 2019, and after December 15th, 2020 to prevent damage to monitoring equipment and/or collection of unreliable data due to winter weather conditions.

Simulated Storm Methods

Simulated storm tests were conducted to quantify bioretention cell performance under semi-controlled conditions. Thus far, tests have focused on hydrologic performance of the bioretention cells, investigating parameters such as runoff volume reduction and alteration of hydrograph timing. Tests were conducted between 2018 and 2020 on bioretention cells in three sewersheds in Clintonville (i.e., Cooke-Glenmont, Indian Springs, and Schreyer-Springs). Simulated storm testing procedures varied depending on the surface area of the bioretention cell (Table 5). Bioretention cells with surface areas greater than 200 ft² required the use of a fire hydrant, while those less than 200 ft² were tested using a 400-gallon tank. Between 2018-2020, a total of thirty-five tests at ten bioretention cells were performed. Due to unexpected infiltration to the sanitary or storm sewer and issues with equipment used to measure flow, analysis was performed on a subset of 33 simulated storm events. Beginning in 2021, efforts will focus on replicating testing for the previously tested bioretention cells as well as testing an additional 3 BRCs located in the Blenheim sewershed (Table 5).

Table 5. Description of bioretention cells characterized using simulated storm testing.

Clintonville Project Area	Bioretention Cell Location	Bioretention Cell Configuration	Surface Area (ft²)	Test Method	Candidate for Water Quality Testing	No. of Tests Completed
Blenheim	220 Blenheim Road, midway between Foster Street and Sharon Ave.	In-Lawn	96	Tank	Yes	0
Blenheim	146 Glencoe Rd., midway between Foster and E. Torrence Rd.	In-Lawn	144	Tank	Yes	0
Blenheim	SE corner of Acton and Granden	In-Lawn	184	Tank	Yes	0
Cooke- Glenmont	Glenmont Pl.	In-Lawn	303	Tank	Yes	0
Cooke- Glenmont	192 Glenmont Ave.	Bump Out	195	Hydrant	No	3
Cooke- Glenmont	107 Glenmont Ave., between N. High St. and Foster St.	Bump Out	393	Hydrant	No	3
Cooke- Glenmont	92 Glenmont Ave.	Bump Out	194	Hydrant	No	3
Schreyer- Springs	4290 Fairoaks Dr.	In-Lawn	263	Tank	Yes	4
Schreyer- Springs	4287 Colerain Dr.	In-Lawn	262	Tank	Yes	4
Schreyer- Springs	4286 Colerain Dr. Dr.	In-Lawn	208	Tank	Yes	2
Indian Springs	Intersection of Shields Place and E. Shreyer Pl.	In-Lawn	85.1	Tank	Yes	5
Indian Springs	144 Schreyer	In-Lawn	64	Tank	Yes	2
Indian Springs Indian Springs	270 Village Dr 240 Village Dr	Bump Out Bump Out	156.2 156.2	Tank Tank	Yes Yes	4 2
mutan springs	240 Village Di	Ի սութ Ծաւ	1.50.2	1 alik	1 65	

For bioretention cells with a surface area less than 200 ft², a 400-gallon tank was filled from a fire hydrant. A 2-inch hose was then attached to a bung at the bottom of the tank and was oriented to discharge into the bioretention cell inlet. The ball valve on the 2-inch orifice was opened fully and the tank drained via gravity into the bioretention cell. Flow rates from the tank

were measured at three- to five-minute intervals by timing the amount of time it took to fill a 5-gallon bucket from the tank. Drainage from the bioretention underdrain was measured at 2-minute intervals using a stopwatch and a graduated two-liter water pan. Inflow and outflow hydrographs were produced using recorded flow data, and volume reduction, peak flow mitigation, and changes in hydrograph timing were determined for each simulated storm.

Beginning in spring 2021, water quality testing will also be conducted during each simulated storm for smaller bioretention cells (i.e., surface area less than 200 ft²) using water dosed with sediment and nutrients to reflect the water quality of local stormwater runoff. After the tank is filled with water, a submersible pump and mixer will be used to suspend and fully mix sediment (local soil from the area), phosphorus (added in the forms of glycine and sodium phosphate), and nitrogen (added as sodium nitrate) in the synthetic stormwater. The target concentrations of these pollutants in the synthetic stormwater solution are based on the median values present in water quality samples collected between 2016-2019 in Clintonville (Table 6). The pollutant concentrations present in these samples were compared against median values presented in the National Stormwater Quality database to ensure the synthetic blend is representative of typical residential runoff quality (Pitt 2015). Water quality samples will be collected on a volume-proportional basis at the inlet and outlet of each bioretention cell. These will be analyzed by the City of Columbus laboratory for concentrations of total Kjeldahl nitrogen (TKN), nitrate (NO₃), nitrite (NO₂), total ammoniacal nitrogen (e.g., the amount of ammonia in a sample, TAN), total phosphorus (TP), orthophosphate (OP), and total suspended solids (TSS). Pollutant load reductions will also be calculated and for this analysis.

Table 6. Synthetic stormwater pollutant concentrations for future water quality simulated storm sampling

Pollutant	Recommended Concentration (mg/L)
TKN	1.44
NO_{2-3}	0.55
TAN	0.26
TP	0.26
OP	0.10
TSS	142

For bioretention cells with surface areas greater than 200 ft², the 400-gallon tests have often resulted in complete abstraction (i.e., no flow from the underdrain) of runoff. Therefore, flow was sourced from a fire hydrant using a 3-inch diameter regulated flexible hose discharging into the inlet of each bioretention cell. Inflow from the hydrant was monitored on 30-second intervals using a mechanical flow meter and aggregated into 5-minute intervals. Underdrain flow was measured using methods described for smaller bioretention cells. These larger bioretention cells will not be tested for water quality performance due to the large volumes of chemicals required for synthetic stormwater mixing and the difficulty in mixing pollutants into large volumes of water discharged from a fire hydrant.

Laboratory Methods

Following the cessation of rainfall, each monitoring location was visited in succession to obtain samples and transport them to the City of Columbus laboratory for analysis, an approximately 4-hour effort. Composite samples collected in each ISCO were shaken vigorously to resuspend solids and were then subsampled into laboratory sample bottles (Table 7). Composite samples were divided among a pre-acidified 500mL plastic bottle for cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), nickel (Ni), zinc (Zn), and hardness analysis, a 500mL pre-acidified bottle for TAN, TKN, and NO₂ analysis, a 500mL bottle for alkalinity, NO₃, and

TSS analysis, a 1L autoclaved bottle for $E.\ coli$ and fecal coliform analysis, and a 50mL bottle (following field filtration through a Whatman Puradisc 0.45 μm filter) for OP analysis.

Table 7. Sample collection, preservation, and laboratory testing methods as well as method detection limits (MDL) for pollutants analyzed herein.

Parameter	Laboratory Method	Sampling Method	Container	Preservation	MDL (mg/L)
TKN	EPA Method 351.21	Composite	Plastic	H ₂ SO ₄ (<2 pH), <4°C	0.078
NO_2	EPA Method 353.2	Composite	Plastic	H ₂ SO ₄ (<2 pH), <4°C	0.018
NO_3	EPA Method 353.2	Composite	Plastic	<4°C	0.043
TN	Calculated as $TKN + NO_2 + NO_3$	Composite	Plastic	NA	NA
TAN^1	EPA Method 350.1	Composite	Plastic	H ₂ SO ₄ (<2 pH), <4°C	0.0031
ON	Calculated as TKN-TAN	Composite	Plastic	NA	NA
OP	EPA Method 365.2	Composite	Plastic	<4°C	0.01
PBP	Calculated as TP-OP	Composite	Plastic	NA	NA
TP	EPA Method 365.2	Composite	Plastic	<4°C	0.1
TSS	Standard Methods 2540D2	Composite	Plastic	<4°C	2
Total Alkalinity	Standard Methods 2320	Composite	Plastic	<4°C	6.61
Hardness	Standard Methods 4500-SiO2 D	Composite	Plastic	HNO ₃ (<2 pH), <4°C	0.027
Cyanide ²	EPA Method 335.4	Grab	Glass	4-6 pellets NaOH	0.0019
Oil and Grease ²	Standard Methods 2130 B	Grab	Glass	H ₂ SO ₄ (<2 pH), <4°C	0.15
COD^2	EPA Method 410.3	Composite	Plastic	H ₂ SO ₄ (<2 pH), <4°C	5.9
cBOD, 5 day ²	Standard Methods 5210B	Composite	Plastic	<4°C	0.59
BOD, 5 day^2	Standard Methods 5210A	Composite	Plastic	<4°C	0.31
Parameter	Laboratory Method	Sampling Method	Container	Preservation	MDL
E. coli	EPA Method 1603	Composite	Plastic	<4°C	1 CFU/100mL
Microbial source tracking	Quantitative PCR	Composite	Plastic	-80°C	5 gene copies/reaction
Microbiome	Metagenomics	Composite	Plastic	-80°C	10 read count
Resistome	Metagenomics	Composite	Plastic	-80°C	read count
Virulence gene	Metagenomics	Composite	Plastic	-80°C	10 read count
Parameter	Laboratory Method	Sampling Method	Container	Preservation	$MDL \; (\mu g/L)$
Cd		Composite	Plastic		0.013
Cr		Composite	Plastic		0.036
Cu	EPA 200.8	Composite	Plastic	HNO ₃ (<2 pH), <4°C	0.26
Pb	LI A 200.6	Composite	Plastic	111\O ₃ (\2 p11), \4 C	0.0086
Ni		Composite	Plastic		0.025
Zn		Composite	Plastic		0.7

¹TAN is equal to the laboratory reported NH₃ (ammonia) concentration.

²Samples obtained once per quarter for NPDES compliance.

Once per quarter, additional sample volume was taken from the 18.9L composite bottle and preserved as necessary for chemical oxygen demand (COD), biochemical oxygen demand (BOD), and carbonaceous biochemical oxygen demand (cBOD) to meet the National Pollutant Discharge Elimination System (NPDES) permit requirements for the City of Columbus (Table 7). During NPDES sampling, grab samples of runoff were taken from the outfalls into a 250mL amber glass bottle preserved with sodium hydroxide for cyanide analysis and into a 1L amber glass bottle preserved with sulfuric acid for oil and grease analysis. A spot measurement of runoff temperature and dissolved oxygen was taken at the same time as the grab samples using a YSI Pro 1020 instrument (YSI Incorporated, Yellow Springs, OH). Grab samples, runoff temperature, and dissolved oxygen measurements were obtained during the first two hours of a qualifying NPDES storm event.

All water quality samples were immediately placed on ice and chilled to less than 4°C during transit to the City of Columbus laboratory, located approximately 10 miles from the sampling sites. Total nitrogen (TN), organic nitrogen (ON or OrgN), and particle-bound phosphorus (PBP) were calculated using methods in Table 7. Nitrate-nitrate (NO₂₋₃) concentrations were calculated as the sum of nitrate and nitrite concentrations for each sampled event. Samples were analyzed using either U.S. EPA (1983) or American Public Health Association (APHA et al. 2012) methods.

Data Analysis

Storm events were separated using the following criteria: a minimum antecedent dry period (ADP) of six hours and a minimum rainfall depth of 0.1 inches. Summary statistics for each rainfall event were developed, including depth (in), duration (hrs), average intensity (in/hr), peak intensity (maximum over any 5-minute duration, in/hr), and ADP (days). Certain rainfall events

were disqualified from the hydrologic data set because: (1) equipment failure caused loss of data, (2) corresponding rainfall data were missing, or (3) data were overwritten due to the length of time between data downloads.

Hydrologic measurements obtained using the AVMs were used to quantify runoff timing, volume, and rate. Runoff volume was determined by integrating under the hydrograph, while peak flow rate was determined as the instantaneous 1-minute maximum flow rate that occurred during the flow duration. When baseflow was not reached before a follow-on event, runoff volume from the first event may be included in the follow-on event, resulting in additional variability in runoff volume generated from a given rainfall depth. The baseflow rate before and after the runoff event was used to remove expected baseflow volume and flow rate from stormflow calculations. Runoff volume and peak flow rate were then normalized by sewershed area to allow for direct comparison between the sewersheds. Following completion of construction activities, diversion of flow to the Blenheim wetland began in early 2020. Thus, results from 2020 represent the summation of flow from the Blenheim culvert and the Blenheim wetland outlet, which will continue for analysis of future data. Runoff and rainfall depth were separately summed across all qualifying hydrologic events; the quotient of these metrics results in the runoff coefficient (C_R) for the sewershed. The timing of the beginning, peak, and end of runoff was utilized to determine the runoff duration and time to peak for each event. Runoff thresholds (RO_T), the rainfall depth at which incipient runoff is generated, were determined as the x-intercept of plots of runoff depth versus rainfall depth.

Because monitoring at the Whetstone and Starrett control sewersheds has only been performed since 2019, the water quality analyses in this report focus on the three treatment sewersheds using Beechwold as a control. Summary statistics for pollutant concentrations were

determined using EMCs from the monitored outfalls. These included the range, mean, median, and standard deviation. They were determined for each year of the monitoring period as well as by phase of the Blueprint project, referred to as calibration (i.e., pre-GI or baseline periods) and treatment (i.e., post-GI or post-Blueprint) phases in the presentation of water quality results. Side-by-side boxplots and exceedance probability plots of pollutant concentrations were created to examine differences in water quality (Appendix D). Pollutant concentrations from the Clintonville sewersheds were compared against those from previous studies documenting residential runoff quality. They were also compared to data collected from 2007-2017 from thirteen different residential sewershed outfalls in Columbus, Ohio, monitored as part of the NPDES monitoring requirements for the City of Columbus. Observed changes in pollutant concentrations and loads discharged from the sewersheds due to GI implementation were compared to other residential studies quantifying the effects of retrofitted GI.

In a few cases (i.e., two times at Beechwold and once at Cooke-Glenmont), two water quality samples were obtained during a single storm event due to rainfall depth exceeding the 2-inch maximum that the samplers were programmed to monitor. Thus, sites were visited twice, once during and once after the event, to obtain samples. When this occurred, a flow volume weighted average concentration was used in the data analysis. Because of the short ADP (six hours) used to separate rainfall events, two to six samples at each site represented the water quality of multiple hydrologic events. This occurred when the flow had not returned to baseflow before the onset of the next rainfall event, causing the samplers to combine two storms within the composite bottle. In these cases, the separate hydrologic events were combined for pollutant concentration and load analysis.

A value of one-half the detection limit was substituted for EMCs below the method detection limit (MDL; Antweiler and Taylor 2008). The only analyte which was frequently (i.e., greater than half sampled events) at concentrations below detection limit (BDL) was cyanide, which was BDL for all sampled events except for one at Beechwold, Blenheim, and Cooke-Glenmont, and two at Indian Springs. Analytes exhibiting a moderate amount of BDL concentrations (i.e., 10-30% of sampled events) were: BOD at Beechwold (n=20 storms, 10% BDL) and Cooke-Glenmont (n=19, 15.8% BDL); cBOD at Beechwold (n=19, 26.3% BDL), Blenheim (n=14, 21.4% BDL), and Cooke-Glenmont (n=18, 11.1% BDL); NO₂ at all four sewersheds (Beechwold n=92, 25.0% BDL; Blenheim n=49, 18.4% BDL; Cooke-Glenmont n=76, 23.7% BDL; and Indian Springs n=82, 24.4% BDL); OP at Indian Springs (n=75, 14.7% BDL); TP at Beechwold (n=126, 11.1% BDL), Blenheim (n=72, 12.5% BDL), and Indian Springs (n=104, 27.9% BDL); TAN at Beechwold (n=126, 19.3% BDL) and Cooke-Glenmont (n=105, 12.4%); TSS at all four sewersheds (Beechwold n=124, 13.7% BDL; Blenheim n=68, 11.7% BDL; Cooke-Glenmont n=103, 11.7% BDL; Indian Springs n=97, 27.8% BDL); and Cd at Beechwold (n=125, 11.2% BDL), Blenheim (n=71, 11.3% BDL), and Indian Springs (n=100, 19.0% BDL). For all other analytes, BDL concentrations were observed for fewer than 10% of sampled storm events. All concentrations above MDL were analyzed without transformation.

Pollutant loads at each monitoring location were determined as the product of pollutant EMC and runoff volume on a storm-by-storm basis. Pollutant loads were reported on a sewershed areanormalized basis and were calculated using the following equation:

$$L_{I,j} = 2.205 \times 10^{-6} \times \frac{EMC_{I,j} \times V_j}{A_{WS}}$$
 (1)

where $L_{i,j}$ is the load of pollutant I (lb/ac) for storm event j, EMC_{i,j} is the event mean concentration of pollutant I (mg/L) for storm event j, V_i is the runoff volume (L) for storm event

j measured after discounting baseflow, Aws is the sewershed area (ac), and the constant converts from milligrams to pounds. Pollutant loads were tabulated and presented in boxplots for comparison among the various Blueprint phases (Appendix D).

Annual loading (La, lb/ac/yr) was estimated by accounting for storms not sampled for water quality. The ratio of long-term (i.e., 30 years) average annual rainfall depth for Columbus, Ohio (RF_{LTA}; in/yr) to total rainfall depth sampled for water quality (RF_{SAMP}; in) was utilized to scale the annual loading (Equation 2); thus, we assume that the sampled storm events are representative of the overall population of runoff volume and pollutant concentration. The annual loading (La, lb/ac/yr) was also normalized by sewershed area:

$$L_a = 2.205 \times 10^{-6} \times \frac{\sum_{i=1}^{n} (EMC_{i,j} \times V_j) \times RF_{MP}}{A_{WS} \times d_{MP} \times RF_{SAMP}}$$
 (2)

where n is the number of sampled storm events. To determine the effects of different event depths on annual load, bins of event depth were created and the load within each bin was summed. This load was then scaled by the ratio of the total rainfall depth to the total sampled rainfall depth within each bin to estimate the total load by event depth bin. Annual loading was calculated by project phase by considering each project phase separately to allow for comparison between baseline, pre-GI, post-GI, and post-Blueprint phases.

Among the four monitored sewersheds included in the pre-retrofit versus post-GI (or post-Blueprint) analyses, comparisons between rainfall characteristics, sewershed area-normalized runoff volume and peak flow rate, pollutant concentration, and pollutant load were made to identify statistically significant differences. Hydrology and water quality data were log transformed, after which the histograms and residual plots were visually inspected for normality. The Shapiro-Wilk test was also used to check for normality of model residuals. Analysis of covariance (ANCOVA) was used to compare treatment to control sewersheds when model

residuals were normally distributed, demonstrated homoscedasticity, and showed no multicollinearity. Significant differences in regression slopes or intercepts indicated whether meaningful differences in runoff hydrology or water quality occurred in the sewershed with the installation of GI. This method controls for seasonal, temporal, and other variability by using a control sewershed and allows for confidence in the conclusion that observed changes in a given parameter were due to the implementation of GI (± other Blueprint pillars) alone. No statistical analyses were performed on water quality data lacking an adequate sample size required to meet model assumptions. Percent changes in pollutant concentration and load were calculated and reported using least squares means (LSM) analysis:

Change (%) =
$$\left(\frac{10^{\overline{Y}_{Post}}}{10^{\overline{Y}_{Pre}}} - 1\right) \times 100$$
 (3)

where \bar{Y}_{Post} is the treatment sewershed LSM during the post-GI or post-Blueprint phases, and \bar{Y}_{Pre} is the treatment sewershed LSM during the pre-GI or baseline phase. Conversely, the percent difference between annual load by project phase is simply reported as percent change (since annual load is a single value, not a distribution that can be statistically tested).

All data analysis was completed using R statistical software version 3.4.2 (R Core Team 2018). Except where noted, a criterion of 95% confidence (α =0.05) was used.

Public Health Impacts

To determine the potential public health impacts of stormwater discharged from the outfalls of the Indian Springs, Blenheim, Cooke-Glenmont, and Beechwold sewersheds, *E. coli*, molecular, and metagenomics analyses were utilized. Stormwater samples (500mL per site) were obtained using automated samplers and runoff-volume proportional, composite methods as previously described. *E. coli* concentrations were determined as a fecal indicator or predictor of gastrointestinal illness associated with exposure to fecal matter and were analyzed through

December 2020. Microbial source tracking (MST) was performed on data collected between 2017-2019 to identify sources of fecal bacteria [human, dog, ruminants (e.g., deer), birds (e.g., pigeon, geese)] in the stormwater. The MST procedure has not yet been applied to 2020 stormwater samples due to time and equipment constraints and the ongoing COVID-19 pandemic. Samples collected in 2020 were held at -80°C, will be analyzed in 2021 reported in subsequent annual reports. A metagenomic approach was also used to investigate the holistic spectrum of microorganisms (microbiome) and profile of antibiotic resistant bacteria and genes (resistome) present in the stormwater.

E. coli Quantification

Quantification of *E. coli* was performed following the membrane filtration technique (EPA Method 1603) within six hours of sample collection. For each sample, 50 mL of 1/100, 1/1000, and 1/10000 dilutions were prepared using a sterile 1× PBS solution in duplicate and filtered through 0.45 µm nitrocellulose membrane filters (Cat. No. HAWG047S6, Millipore Sigma) using a vacuum. The filter membranes were placed on modified mTEC agar (Becton) and incubated for 2 hrs at 35°C and then at 44.5°C for 20 hrs in aerobic conditions. After incubation, the number of *E. coli* colonies on each plate was counted and the mean numbers of colony forming units (CFU) per 100 mL were determined.

DNA Extraction for Molecular Analyses

For quantitative polymerase chain reaction (PCR) analysis, including MST, antibiotic resistance bacteria, and pathogenic bacteria, 100 mL of the collected water samples were filtered using sterile 0.22 µm membrane filters (Cat. No. GTTP04700, Millipore Sigma) in triplicate. Microbial DNA was extracted from the membrane filters using a Bead Ruptor (Omni International) followed by a Dneasy PowerSoil kit (Cat. No. 12888-100, QIAGEN) according to

instructions provided by the manufacturer. The final DNA eluent was 100 μ L per sample. Quality and quantity of extracted DNA were determined using Nanodrop 2000C (ThermoFisher) and the mean concentration of extracted DNA was 25 ng/ μ L. The DNA was stored in -20°C for further analysis.

qPCR Assays

To identify the major source(s) of fecal bacteria, fecal contamination, and antibiotic resistant bacteria (tetracycline resistance as a representative) in stormwater samples, primer sets of universal, ruminant-, human-, dog-, and bird-specific genetic markers and tetQ gene were used (Gorham et al. 2017; Healy-Profitós et al. 2016; Kildare et al., 2007). All experiments were conducted in duplicate using CFX96, the touch real-time PCR detection system (Bio-rad). The total volume of qPCR mixture was 20 µL containing 2 µL DNA template [TaqMan Universal PCR Master Mix (Applied Biosystems], 500 nM primers, and 250 nM Probe. SYBR Green qPCR analysis was used for tetQ (Nikolich et al., 1994). The total volume of qPCR mixture was 20 μL including 2 μL DNA template [SYBR Green PCR Master Mix (Applied Biosystems)], and 500 nM primers. A mixture of all PCR reagents with nuclease-free water was used as a negative control for each PCR reaction. The PCR cycling conditions were composed of an initial cycle at 50°C for 2 min and 95°C for 10 min, followed by 40 cycles of denaturation at 95°C for 15 s, annealing and extension under proper conditions, followed by reference conditions. After amplification, melting curve analysis (SYBR analysis only) was performed by heating samples to 95°C for 30 s, cooling them to 62°C for 1 min, and then heating them to 95°C at a rate of 0.2°C/s.

ddPCR Assays

To quantify and identify sources of fecal pollution in stormwater samples, MST methods were used to target host-specific genetic markers present in hosts' gut microbiome. Universal (targeting general fecal bacteria), ruminant-, human-, dog-, and bird-specific genetic markers of fecal bacteria were tested using droplet digital PCR (ddPCR) assays. Antibiotic resistance genes (ARGs) were quantified (e.g., tetracycline, sulfonamide, and carbapenem resistance genes) because fecal contamination from human and animal sources was prevalent. Antibiotic resistance spread is a public health concern, and it is important to quantify whether stormwater plays a role in transmitting ARGs via contamination coming from sewers. All experiments were conducted using a ddPCR detection system by targeting tetracycline resistant gene (tetQ), sulfonamide resistant gene (sul1), and carbapenem resistant gene (KPC).

Whole Genome Shotgun Metagenomic Analysis

A library was prepared for comparison with Nextera DNA library prep kit (Illumina) results. Whole genome shotgun metagenomic analysis was conducted using Hiseq 4000 systems (Illumina). Row sequencing reads were obtained and analyzed with the CosmosID bioinformatics software package (CosmosID Inc., Rockville, MD) following methods described in previous studies (Ottensen et al., 2016, Ponnusamy et al., 2016, Hasan et al., 2014, Lax et al., 2014). Identifications were achieved at the species (> 97% similarity), subspecies, and/or strain levels and the relative abundance of each organism was quantified.

Results

Stormwater Runoff Hydrology and Water Quality

Observed Rainfall Events

Between 268 and 279 rainfall events were observed in the four sewersheds (i.e., Beechwold, Blenheim, Cooke-Glenmont, and Indian Springs) monitored during the 52-month period between June 2016 – December 2020. Of these, 257, 225, 243, and 222 represented qualifying hydrologic events at the Beechwold, Blenheim, Cooke-Glenmont, and Indian Springs sewershed outfalls, respectively, representing 80-93% of the observed rainfall events. Average rainfall depths for all observed events were 0.58-0.60 inches, and those for the qualifying hydrologic events ranged from 0.56-0.62 inches.

At the Beechwold, Blenheim, Cooke-Glenmont, and Indian Springs outfalls, 135, 83, 113, and 112 storm events were sampled for water quality between 2016-2020, respectively. Storm events sampled for water quality represented between 67.6-101.7 inches, or approximately 42-64%, of the 159.2-162.6 inches of total rainfall that occurred at the four sewersheds during the monitoring period. The median event depth for sampled storms ranged between 0.76-0.86 inches in the four sewersheds, slightly greater than the average observed event of 0.58-0.60 inches. This is attributed to the lack of sufficient sample volume in the composite bottle for laboratory analysis for events smaller than 0.20 inches. The median peak rainfall intensity for sampled storms, which ranged between 1.02-1.25 in/hr across the sewersheds, was similar to the median peak intensity recorded for all observed storms (1.03-1.10 in/hr). The median ADP for sampled events (3.7-5.4 days) was similar to the median ADPs determined from all observed events in the four sewersheds (4.9-5.3 days). The Wilcoxon rank sum test showed significant differences existed between observed and sampled storms for rainfall depth (p<0.001), but no significant differences existed for peak rainfall intensity or ADP. From these results, we can conclude that

the sampled storm events were representative of the overall distribution of storms observed in the four sewersheds during the monitoring period.

Results from Kruskal-Wallis k-sample tests showed that rainfall characteristics (i.e., rainfall depth, average intensity, peak 5-minute intensity, ADP, and rainfall duration) did not significantly differ between the four sewersheds (p>0.82 in all cases; Table 8 and Table 9) (Kruskal & Wallis, 1952). Thus, while the depth of some of the largest events varied across Clintonville, the rainfall characteristics across the entire population of events were not different. This result was expected since the maximum distance between any of the rain gages was 1.15 miles.

Rainfall depth and ADP did not significantly differ across seasons within any sewershed. However, significant seasonality in peak and average rainfall intensity and storm duration was observed; peak rainfall intensities were generally greater in the summer than in fall and spring (p<0.001), and average rainfall intensities were generally greater in summer than in fall (p<0.001). This is likely due to convective thunderstorms that occur in the Columbus area during the summer season (Fritsch et al. 1986). No significant differences were observed in rainfall depth, average intensity, peak intensity, ADP, and rainfall duration across project phases.

Table 8. Rainfall characteristics in the treatment sewersheds by project period.

	Blenheim			Cool	Cooke-Glenmont			Indian Springs			
	Project Period			Pro	Project Period			Project Period			
	Pre-Retrofit	GSI Construction Period	Post-GSI Retrofit Period	Pre-Retrofit	GSI Construction Period	Post-GSI Retrofit Period	Pre-Retrofit	GSI Construction Period	Post-GSI Retrofit Period	Post- Blueprint Project	
Number of Monitored Events	141	43	88	39	32	208	87	52	48	83	
Total Precipitation (in)	90.6	24.3	47.7	21.7	18.8	120.7	49.0	36.9	26.6	46.6	
Median Rainfall Depth (in)	0.46	0.39	0.33	0.29	0.46	0.36	0.42	0.45	0.48	0.34	
Median Peak Intensity (in/hr)	0.99	0.67	1.41	0.75	0.90	0.60	0.54	0.87	0.48	0.96	
Median ADP (d)	2.86	3.68	4.23	3.06	2.79	3.18	2.84	3.11	2.97	3.49	
Number of Storm Events >0.75 in	35	12	20	10	9	51	22	15	12	20	
90 th Percentile Storm Depth (in)	1.54	1.14	1.35	1.10	1.64	1.17	1.49	1.78	1.15	1.55	

Table 9. Statistical testing using the Kruskal-Wallis test for rainfall parameters by project phase. **Average Rainfall Intensity** Rainfall Depth (in) (in/hr) Sewershed Phase Median Mean ± SD Median Mean ± SD 0.22 ± 0.31 Pre-GSI 0.44 0.64 ± 0.62 0.08 Blenheim 0.06 Post-GSI 0.29 0.54 ± 0.73 0.017 ± 0.32 Pre-GSI 0.37 0.56 ± 0.51 0.10 0.22 ± 0.32 Cooke-Glenmont Post-GSI 0.38 0.58 ± 0.66 0.07 0.20 ± 0.36 Pre-GSI 0.37 0.58 ± 0.55 0.07 0.20 ± 0.31 **Indian Springs** Post-GSI 0.43 0.56 ± 0.56 0.06 0.22 ± 0.50 Post-Blueprint 0.17 ± 0.32 0.31 0.55 ± 0.72 0.06

Hydrology

Annual Trends

Rainfall-Runoff Response

Runoff generation from the four sewersheds monitored from 2016-2020 was linearly related to rainfall depth (0.51<R²<0.98) across the qualifying hydrologic events (Figure 6). Data collected from the recently added Whetstone and Starrett sewersheds support this trend, though more data is required to develop robust linear models. The slope of each line was primarily related to rainfall characteristics observed during each phase. Data collected in 2016 and 2017 indicate that the four sewersheds responded similarly across a range of rainfall depths, with regression slopes ranging between 0.27 (Beechwold) and 0.37 (Indian Springs), suggesting that between one-quarter and one-half of rainfall was transmitted as runoff in the sewersheds before GI retrofits were implemented. Similar results were reported by Hood et al. (2007), who observed slopes of 0.21 and 0.37 for regression lines between rainfall and runoff depths from two residential developments in Connecticut.

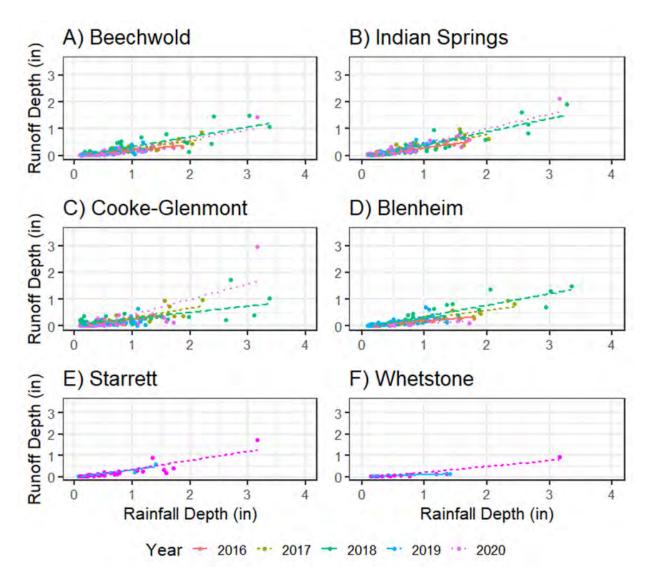


Figure 6: Plots of rainfall-runoff responses by year in the six monitored sewersheds.

The monitoring period for the four original sewersheds (i.e., 2016-2020) included 2018, the wettest year on record for the Greater Columbus area. The effects of this rainfall are evident in data from both the Beechwold and Blenheim sewersheds, where the steepest slopes in rainfall-runoff regressions were observed. Similar runoff generation patterns were observed for both the Blenheim and Indian Springs sewersheds until 2020, a surprising result since Blenheim is comprised of a greater percentage of imperviousness compared to Indian Springs (Table 3). However, Indian Springs has a greater percentage of commercial and institutional development;

thus, the additional runoff generated per sewershed area may be due to the highly connected nature of the imperviousness often observed in these land uses (Booth and Jackson, 1997).

Unsurprisingly, the lowest slope in the rainfall-runoff response was observed in Cooke-Glenmont, which is characterized by relatively low-density residential land use and the lowest percentage imperviousness (Figure 6).

Results from data collected in 2020 differed compared to findings from the first four years of the monitoring period (Figure 7). By the end of 2020, 95-100% of the Blueprint pillars were completed in the Cooke-Glenmont and Indian Springs sewersheds (Figure 3). The additional pillars are expected to increase the volume of stormwater reaching the sewer compared to previous conditions, where stormwater may have entered sanitary sewers through infiltration and inflow, among other diversion pathways. As a result, the rainfall-runoff response in 2020 in both Cooke-Glenmont and Indian Springs was higher than the three control sewersheds which received no sanitary sewer lateral lining, sump pump installation, or downspout redirection. This is likely attributable to the completion of construction activities related to the Blueprint Columbus project and the increased volume of runoff directed to the outfall in these sewersheds. Conversely, progress on completion of the remaining Blueprint pillars in the Blenheim sewershed (expected completion summer 2021) was not sufficient to yield a similar increase the rainfall-runoff response of the sewershed compared to the control sewersheds. Additionally, a substantial portion of flow from the Blenheim outfall began being diverted to the Blenheim wetland, which may have been under-estimated due to equipment failures that occurred at both the Blenheim culvert and Blenheim wetland outlet in 2020. Future data collection will allow this analysis to be more robust in future reports.

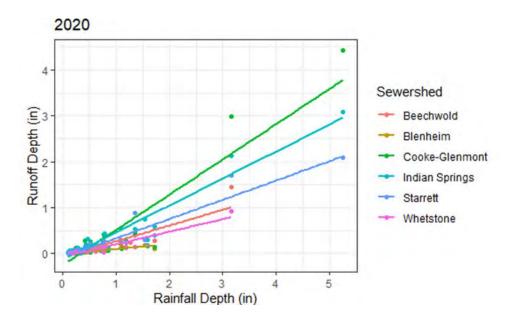


Figure 7: Rainfall-runoff responses observed in the six monitored sewersheds in 2020.

Runoff Coefficient

Runoff coefficients (C_R) for the monitored sewersheds are presented in Table 10. Many factors impact the runoff coefficient of a watershed, with increases in soil compaction, percent imperviousness, and slope as well as decreases in vegetated cover causing increases in C_R (Leopold 1991; Line and White 2002). Runoff coefficients from the six sewersheds in Clintonville varied from 0.15 to 0.33 prior to the installation of GI, on the lower end of previously reported values for typical single-family residential areas (0.30-0.50; Dunne and Leopold, 1978). They were, however, similar to two residential neighborhoods in Waterford, CT (0.19-0.24; Hood et al. 2007). Line and White (2007) found C_R of 0.55 for residential development on moderate slopes and in clayey soils. Infiltration and inflow into sanitary sewers and porous trenches around pipes in Clintonville could result in storage or secondary (unmonitored) outlets for stormwater, potentially reducing the C_R derived from data collected at the sewershed outfall. Additionally, since roads and parking lots represented only about one-third of the TIA in the Clintonville sewersheds, the differences could be attributed to a lower amount of directly connected imperviousness compared to other studies (Table 3). Finally, parts of

Clintonville were developed nearly a century ago; the elapsed time since the initial development of the area may have allowed for the development of a soil profile dissimilar to the typical compacted urban soils (Carmen et al. 2016), allowing for proportionately greater infiltration in the silt loam soils mapped in the neighborhood than expected.

Table 10. Runoff coefficients (C_R) for the Clintonville sewersheds prior to the addition of GI and previously reported values in the literature.

Sewershed or Reference	Runoff Coefficient	Percent Impervious	Primary Land Use	Soil Texture	Drainage Area (mi²)	Location
Beechwold	0.22	38.2	Residential	Silt Loam	0.43	Columbus, OH
Blenheim	0.23	44.5	Residential	Silt Loam	0.24	Columbus, OH
Cooke- Glenmont	0.27	30.9	Residential	Silt Loam	0.05	Columbus, OH
Indian Springs	0.36	40.3	Residential	Silt Loam	0.18	Columbus, OH
Starrett	0.29	34.7	Residential	Silt Loam	0.09	Columbus, OH
Whetstone	0.15	35.3	Residential	Silt Loam	0.07	Columbus, OH
Page et al (2015b)	0.38	60	Residential	Sandy	0.002	Wilmington, NC
Line and White (2007)	0.55	53	Mixed Use	Clayey	0.015	Raleigh, NC
Leopold (1991)	0.35	40	No data	No data	0.25	San Francisco, CA
Leopold (1991)	0.18	27	No data	No data	1.17	San Francisco, CA
Barrett et al. (1998)	0.4	37.6	Commercial/High Density Residential	No data	0.04	Austin, TX
Hood et al. (2007)	0.19	29	Residential	Sandy Loam	0.021	Waterford, CT
Hood et al. (2007)	0.24	32	Residential	Sandy Loam	0.008	Waterford, CT

Runoff coefficients can also vary annually depending on precipitation patterns or development in the sewershed in a given year (Table 11). Similar, increasing trends in C_R were observed in the four sewersheds monitored between 2016-2018 as the number of monitored

storm events and quantity of annual rainfall increased (from a partially monitored year in 2016 to the record rainfall experienced in 2018). However, divergent patterns were evident in 2019. Active construction in the Indian Springs and Blenheim sewersheds likely accounted for observed increases in C_R, while lack of construction in the Cooke-Glenmont sewershed resulted in an approximately 50% reduction, similar to that observed in the control sewershed, Beechwold (Figure 3; Table 11). Trends in C_R in 2020 also reflected the progress made toward completing the remaining Blueprint pillars in the Indian Springs (100% complete) and Cooke-Glenmont (95% complete). Similar to changes in rainfall-runoff responses, the influx of runoff previously diverted to various pathways (e.g., infiltration and inflow into sanitary sewers) likely explain the increase in C_R in these sewersheds compared to previous years. The low number of events with reliable data from Blenheim in 2020 (11 of the 40 total events) is likely responsible for the very low C_R observed for Blenheim in 2020. Future data from the Blenheim wetland will continue to be paired with outflow from the Blenheim outfall to provide a more accurate C_R for the Blenheim sewershed in future reports.

Table 11: Yearly comparisons of Runoff Coefficients (C_R) for all six monitored sewersheds.

Year	Beechwold	Blenheim	Indian Springs	Cooke- Glenmont	Starrett	Whetstone*
2016	0.16	0.18	0.27	0.20	-	-
2017	0.24	0.24	0.35	0.26	-	-
2018	0.31	0.32	0.35	0.30	-	-
2019	0.16	0.26	0.36	0.15	0.27	0.09
2020	0.19	0.09	0.40	0.35	0.29	0.16
Overall	0.22	0.23	0.36	0.27	0.29	0.15

^{*}Equipment failure resulted in approximately 50% fewer storm events captured at Whetstone in 2020 compared to the other sewersheds.

Pre- vs. Post-GI/Blueprint

Runoff Depth

Runoff depth in the Indian Springs sewershed significantly decreased by 3% in the post-Blueprint phase compared to the control (Table 12). Given the statistical power of this analysis, this reduction can be directly attributed to Blueprint Columbus efforts in the sewershed. The 61% reduction in runoff depth observed at Blenheim is likely due to the low number of storms (n=26) in the post-GI phase. Runoff depth increased by 28% and 6% in the Cooke-Glenmont and Indian Springs sewersheds, respectively, between the pre- and post-GI phase. However, these changes were not significantly different from increases in runoff depth observed in the control sewershed during the same time periods. This result may also have been influenced by the record rainfall experienced in Columbus in 2018. Differences in model intercepts between the pre- and post-GI project phases were observed in all treatment sewersheds (Table 12; Figure 8), indicative of the depressional storage added to the sewersheds with the installation of GI.

Table 12. ANCOVA analyses of runoff depths for each treatment sewershed compared to the control (CNT) between project phases. Statistically significant differences between the percentage change of the LSM at the treatment sewershed compared to the control LSM percent change, which can be attributed to the changes in the treatment sewershed, are indicated by p < 0.05.

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		P	re-GI			Po	ost- GI		AN	COVA Result	ts
Hydrologic Parameter	Indian Springs	LSM	Regression Equations	R ²	Indian Springs	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	% LSM Change
Runoff Depth (in)	n=56	0.20	IS= 0.0602+ 0.9284(CNT)	0.84	n=37	0.214	IS= -0.0352+ 0.773(CNT)	0.80	0.213	0.030	6.1
Mean	0.20				0.21						
Median	0.12				0.13						
	Cooke- Glenmont	LSM	Regression Equations	R ²	Cooke- Glenmon	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	%LSM Change
Runoff Depth (in)	n=22	0.10	CG= 0.0928+ 1.078(CNT)	0.93	n=175	0.14	CG= -0.2583+ 0.758(CNT)	0.56	0.524	0.001	27.9
Mean	0.10				0.14					,	
Median	0.05			, 1	0.07						
	Blenheim	LSM	Regression Equations	R ²	Blenheim	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	%LSM Change
Runoff Depth (in)	n=106	0.19	B= -0.1464+ 0.7796(CNT)	0.72	n=26	0.07	B= -0.6797+ 0.4639(CNT)	0.38	0.136	0.005	-61.1
Mean	0.19				0.07						
Median	0.10				0.04						
					Pos	t- Blu	eprint Projec	t		0	
			Hydrologic Paramo	eter	Indian Springs	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	% LSM Change
			Runoff Depth (in	1)	n=53	0.20	IS= -0.1349+ 0.614(CNT)	0.54	0.001	0.027	-3,1
			Mean		0.20			-			
			Median		0.09						

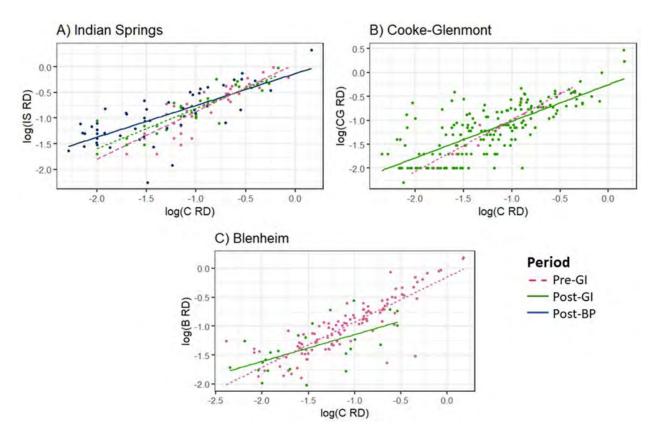


Figure 8. Runoff depth (RD) relationships for the treatment sewersheds and control (Beechwold) during the various project periods. Note that runoff depths are log transformed. Changes in slope indicate differences in the runoff depth relationship between the control and treatment sewershed between the pre-GI and post-GI (or post-Blueprint) project phases.

Significant differences in regression slopes were only observed at Indian Springs during the post-Blueprint phase, indicative of changes in runoff generation patterns within the sewershed. This finding reflects the increased runoff volumes conveyed to the outfall following the completion of the Blueprint project pillars in the Indian Springs sewershed. Larger runoff depths were discharged from the sewershed during smaller rain events relative to both the control and to data collected from the outfall in previous project phases, illustrating the additional water redirected to the outfall from downspout disconnection, lateral lining, and sump pumps installed in the sewershed (Table 4). However, a lack of larger storms captured during the post-Blueprint period to-date appear to confound these trends, as regression models for each project phase at Indian Springs intersect as runoff depths increase. Because changes to runoff volumes following

the completion of the Blueprint pillars would be expected across all storm events, regression results are likely being disproportionally skewed by a small number of events (Figure 8). Future data collected from the Indian Springs sewershed is expected to resolve trends observed in model results for smaller rain events.

Runoff Threshold

Runoff thresholds were calculated for combinations of each of the three treatment sewersheds and project phases and ranged from 0.03-0.18 in (Table 13). The RO_T in the control sewershed (Beechwold) was determined for each project phase after separating the data based on the dates of phase completion in each treatment sewershed (Figure 3). Page et al. (2015b) and Hood et al. (2007) reported similar RO_T for residential neighborhoods in Wilmington, NC (0.13 in) and Waterford, CT (0.11 in), respectively, to those herein. Between the pre- and post-GI period, an increase in the RO_T was observed in the treatment sewersheds, indicating that a greater rainfall depth was required for runoff to occur in these sewersheds. Conversely, the RO_T in the control sewershed, Beechwold, decreased between the pre- and post-GI phases of the Indian Springs and Blenheim sewersheds. This can be attributed to the addition of depressional storage volume provided by the GI and the progress made toward completion of the additional Blueprint pillars (in Indian Springs), while changes in rainfall characteristics during the post-GI phase likely contributed to decreased RO_T in the control sewershed. Results for Blenheim may be skewed by a small sample size in the post-GI period at Blenheim (n=26), which is expected to increase dramatically in the coming years. Data collected from monitoring efforts and presented in future final reports will demonstrate the combined effect of GI and the additional Blueprint project pillars on RO_T in the treatment sewersheds compared to the project control.

Table 13. Runoff thresholds (RO_T) (inches) for each treatment sewershed compared to the control (Beechwold) for the various project phases.

Project Phase	Blenheim	Control (Blenheim)	Cooke- Glenmont	Control (CG)	Indian Springs	Control (IS)
Pre-Retrofit	0.06	0.18	0.03	0.09	0.04	0.15
Post-GI	0.07	0.06	0.04	0.14	0.06	0.07
Post- Blueprint	-	-	-	-	0.11	0.09

Runoff Coefficient

Changes to C_R between the pre- and post-GI phases in the treatment sewersheds were similar to those observed in the control sewershed (Table 14). This was particularly true for the sewersheds where GI was operational for longer durations (i.e., Cooke-Glenmont and Indian Springs), where the differences in the change in C_R from pre-retrofit to post-GI between the treatment sewershed and the control were 0.08 and 0.07, respectively. Negative changes in C_R between the phases indicate that less runoff was generated from the sewershed per unit rainfall depth. The post-GI phases in the Cooke-Glenmont and Indian Springs sewersheds included much of 2018, the wettest year on record in Columbus, which could explain the increase in C_R observed for these sewersheds between the project phases. The C_R for the Indian Springs sewershed increased during the post-Blueprint period while the control sewershed concurrently decreased. As with ROT, this discrepancy could be also due to the completion of other pillars of the Blueprint Columbus project in the Indian Springs area, which would add water into the storm sewer system that may have been previously routed to other pathways. Results for the Blenheim sewershed were likely skewed by the runoff volumes diverted to the Blenheim wetland beginning in late 2019 and the small sample size of data collected from this sewershed. Future data collected at Blenheim is expected to confirm trends in the other treatment sewersheds.

Table 14. Comparison of runoff coefficient (C_R) for the three treatment sewersheds to the control sewershed (Beechwold) during the project phases. Changes in C_R are relative to the pre-Retrofit period.

	Pre-Retrofit	Pos	t-GI	Post- Blueprint		
Sewershed	C_R	C_R	$\Delta \ C_R$	C_R	$\Delta \; C_R$	
Blenheim	0.26	0.13	-0.13	-	-	
Control (Blenheim)	0.23	0.16	-0.07	-	-	
Cooke-Glenmont	0.20	0.28	0.08	-	-	
Control (Cooke- Glenmont)	0.18	0.23	0.05	-	-	
Indian Springs	0.33	0.40	0.07	0.39	0.06	
Control (Indian Springs)	0.20	0.29	0.09	0.16	-0.04	

Normalized Peak Runoff Flow Rate

The peak rainfall intensity was explored as a predictor of peak flow rate in the sewersheds. Sewershed area-normalized peak discharge (in/hr), also known as areal peak discharge, was plotted against peak rainfall intensity (Figure 9). A linear relationship explained approximately 70±8% of the variance in the peak flow rates across the four sewersheds for the pre-retrofit period. The variability of the normalized peak flow rates increased following GI implementation in the treatment sewersheds. Weaker linear relationships and greater standard deviations between the sewersheds were observed in the post-GI and post-Blueprint phases (63±10%), potentially influenced by the smaller datasets corresponding to these periods. The greatest increase in variability was observed in the Cooke-Glenmont sewershed. Not only did Cooke-Glenmont have four times the number of storm events in the post-GI period (n=175), but many of these storm events occurred in 2018 (the wettest year on record in Columbus), while storms occurring in 2019 and 2020 had higher intensities and rainfall depths.

The primary design objective driving the size of the bioretention cells in Clintonville were TSS reductions, as opposed to peak flow mitigation. The post-GI phase in the Cooke-Glenmont

sewershed included 51 storm events greater than 0.75 inches, corresponding to over 29% of the monitored storms exceeding the design storm event depth. These events could result in a partial bypass of the bioretention cells, conveying runoff directly into the storm sewer and effectively returning the response of the sewershed to the patterns exhibited in the pre-GI project phase.

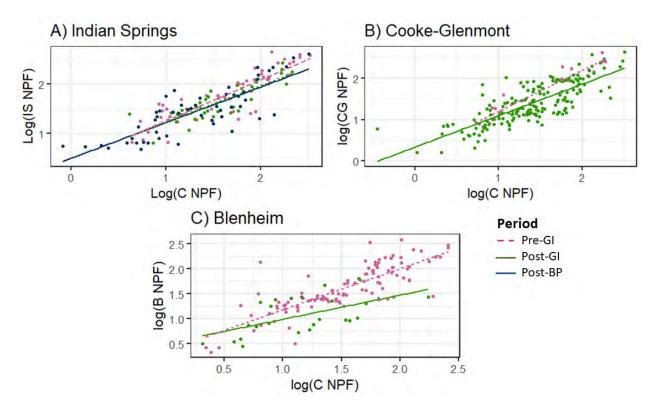


Figure 9. Area normalized peak flow (NPF), also referred to as areal peak discharge (in/hr), in the treatment sewersheds compared to the control (Beechwold). Note that data from the monitored sewersheds have been log transformed. Changes in slope indicate differences in the normalized peak flow relationship between the control and treatment sewershed between the pre-GI and post-GI (or post-Blueprint) project phases.

The two sewersheds with the largest drainage areas (Beechwold and Blenheim) had comparatively lower normalized peak flow rates than the remaining sewersheds (Table 15). Indian Springs had significantly greater normalized peak discharge than Beechwold (p<0.01), again perhaps owing to several clusters of dense imperviousness in Indian Springs (Figure 26). The response of Cooke-Glenmont, which was similar to that for Indian Springs, was unexpected, considering it is characterized by the lowest imperviousness of the treatment sewersheds in the study (Table 3). However, because Cooke-Glenmont has the smallest sewershed area, the effects

of travel time and soil storage on the hydrograph are less pronounced. Holding other factors constant, less dampening of peak flow rates will occur as the area of the sewershed becomes smaller (Goodrich et al. 1997; Moody and Martin 2001).

Table 15. ANCOVA analyses of area normalized peak flow (in/hr) for treatment sewersheds compared to the control (CNT) between project phases. Statistically significant differences between the percentage change of the LSM at the treatment sewershed compared to the control LSM percent change, which can be attributed to the changes in the treatment sewershed, are indicated by p<0.05.

										v 1	
		F	Pre-GI			P	ost- GI		ANG	COVA Result	s
Hydrologic Parameter	Indian Springs	LSM	Regression Equations	R ²	Indian Springs	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	% LSM Change
Normalized Peak Flow Rate (in/hr)	n=56	0.013	IS= 0.4217+ 0.834(CNT)	0.78	n=37	0.008	IS= 0.4868+ 0.7432(CNT)	0.71	0.143	0.000	-41.0
Mean	0.013				0.008						
Median	0.007				0.004						
	Cooke- Glenmont	LSM	Regression Equations	R ²	Cooke- Glenmont	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	% LSM Change
Normalized Peak Flow Rate (in/hr)	n=22	0.013	CG= 0.2051+ 0.9945(CNT)	0.92	n=175	0.006	CG=0.3354+ 0.7631(CNT)	0.6	0.002	0.000	-52.6
Mean	0.013				0.006						
Median	0.008				0.003						
	Blenheim	LSM	Regression Equations	R ²	Blenheim	LSM	Regression Equations	R ²	Slope p-value	Intercept p-value	% LSM Change
Normalized Peak Flow Rate (in/hr)	n=106	0.009	B= 0.3596+ 0.8238(CNT)	0.66	n=26	0.002	B= 0.5069+ 0.4839(CNT)	0.34	0.000	0.000	-76.6
Mean	0.009				0.002					7	
Median	0.004				0.001						
					Po	st- Blu	eprint Projec	ct			
	Hydrologic Parameter				Indian Springs	LSM	Regression Equations	R ²	Slope p- value	Intercept p-value	% LSM Change
		Normalized Peak Flow Rate (in/hr)		n=53	0.008	IS= 0.4917+ 0.7272(CNT)	0.68	0.076	0.000	-43.3	
			Mean		0.008						
			Median		0.003						

Significant differences were observed in slopes of the linear models between the pre- and post-GI phases in Cooke-Glenmont and Blenheim compared to the control (Table 15). Areal peak discharge was significantly reduced in the Cooke-Glenmont and Blenheim sewersheds by 53% and 85%, respectively, between the pre- and post-GI phases. Though not statistically different from changes in peak flow observed in the control sewershed during similar phases, reductions of 41% and 43% occurred in the Indian Springs sewershed in the post-GI and post-Blueprint phases, respectively. The significant differences in the intercepts of the models points to different flow rates that would be expected at lower rainfall intensities. Models of the treatment sewersheds point toward higher flow rates during lower intensity rain events compared to their responses in the pre-GI phase. Hunt et al. (2012) reported that peak flow mitigation from individual bioretention cells was directly related to the amount of storage volume and infiltration rates of the practices. These critical aspects of bioretention cells are determined during the design phase based on objectives such as capturing runoff from a design storm event depth (0.75 inches). Storm events exceeding the storage capacity set by design (and as-built) parameters of these practices contribute runoff directly to sewer systems at high flow rates during higher intensity, larger storm events, even with GI installed in the sewersheds. Because these factors may vary across each of the bioretention cells installed in the sewersheds, this may explain why peak flow mitigation may or may not be seen at the sewershed scale.

Simulated Storm Testing

Simulated storm testing was performed in the Cooke-Glenmont, Indian Springs, and Schreyer Springs sewersheds over the course of two days in 2018, three days in 2019, and five days in 2020. In 2018, short-circuiting was observed at one cell and the other two cells produced

no outflow (i.e., water was completely captured). The seven tests performed in 2019 were conducted at four BRCs, while the 24 tests performed in 2020 were performed at 13 BRCs.

A comparison of inflow and outflow hydrographs for a simulated storm test completed in August 2020 in Indian Springs is presented in Figure 10. Test results indicate that the BRC reduced runoff volumes by approximately 86%. Outflow duration was lengthened compared to inflow duration, evident in the tails of the outflow hydrograph in Figure 10. This points to both runoff reduction and an increase in lag time, two metrics commonly used to evaluate BRC performance (Hunt et al. 2008; Schlea et al. 2014). The same BRC was tested in August of 2019 as well when volume reductions were approximately 70%. The 2019 test occurred after an ADP of less than 2 days, compared to the nearly 5 days of dry weather preceding the test performed in 2020. Thus, it is likely that antecedent conditions contributed to the differences in volume and peak flow reductions observed between the tests. Similar results were observed for tests performed at other BRCs in the Indian Springs area. The high peak flow reductions for the simulated storm tests are likely a function of inflow being gravity fed from the tank. The peak flow thus occurs at the onset of the hydrograph when the soil is driest and most apt to accept stormwater. This consistent inflow pattern, paired with high infiltration rates of the media, likely contribute to the similar lag times observed across the BRCs included in simulated testing.

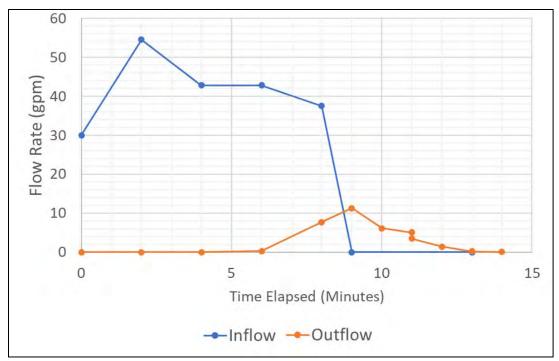


Figure 10. Inflow and outflow hydrographs from simulated storm testing performed at a bioretention cell in the Indian Springs sewershed (270 Village Dr). The increase in inflow rate between 0 and 2 minutes reflects the full opening of the valve after the test began, which more commonly occurred immediately after tests commenced.

Summary statistics from simulated storm testing completed in 2018-2020 are presented in Table 16. Results from all simulated storm testing performed to-date can be found in Appendix C. Data from simulated storm testing was analyzed based on year, project area, and BRC design (i.e., whether the cell was installed in the right-of-way (ROW) or as a curb bump-out which extended into the roadside parking area). Mean volume reductions from testing performed to-date (69%) were similar to those reported by Schlea et al. (2014) for BRCs in Westerville, Ohio.

Table 16. Summary statistics for simulated storm testing in 2018-2020.

Dataset		e Reduction (%)	Peak Flow R	eduction (%)	Lag Time (min)		
(number of tests)	Mean	St. Dev.	Mean	St. Dev.	Mean	St. Dev.	
All Tests (33)	69.3	26.1	80.1	14.5	7.9	2.6	
2018 Tests (2)	39	7.1	66.5	9.2	10	4.2	
2019 Tests (7)	63.9	28.4	74.3	9.1	9.1	2.5	
2020 Tests (24)	73.3	23.9	83.0	15.2	7.4	2.4	
Indian Springs BRCs (12) Cooke-Glenmont	65.0	27.0	71.0	15.3	7.1	2.2	
BRCs (9) Schreyer-Springs	84.2	7.7	93.2	2.9	7.6	2.7	
BRCs (10)	60.7	30.4	80.2	10.4	9.4	2.8	
ROW BRCs * (17)	53.8	25.0	72.2	13.4	8.5	2.9	
BumpOut BRCs ⁺ (14)	89.0	8.9	89.0	9.9	5.3	2.9	

The highest volume and peak flow reductions (84% and 93%, respectively) were observed during testing of BRCs in the Cooke-Glenmont sewershed (Table 15), all of which were bump-outs. A mean volume reduction of 65% was observed from tests performed on a mix of ROW and bump-out BRCs in the Indian Springs sewershed. Conversely, the lowest volume reductions (mean reduction of 60%) were observed in the Schreyer-Springs sewershed, where only ROW-style BRCs were included in testing. This trend was confirmed by the comparison of ROW versus bump-out BRCs, which suggests that bioretention design style results in a difference of over 35% (Table 16).

A possible explanation for the higher volume reductions observed from the bump-out BRC is the proximity to subsurface infrastructure (e.g., utility lines, sanitary and storm sewers) which may provide preferential hydrologic pathways for water percolating through the BRCs that bypass the underdrain. This would lead to less drainage through the underdrain, yielding larger volume and flow reductions based on our methods of simulated storm testing. Further, the lower standard deviations across testing in the bump-out BRCs compared to ROW BRCs indicate these results were consistent across a range of ADP and other factors that could

influence test results. That said, we did look for preferential pathways during testing, and none were directly observed in the data set reported in Table 15.

Regression analysis was performed to model the effects of BRC surface area and design on volume reduction (Figure 11). Based on data collected to-date, models indicate a positive linear relationship between BRC surface area and volume reduction and confirm trends in volume reduction based on BRC design type. However, additional data are needed to improve model accuracy and perform tests for statistical significance between the BRC design types.

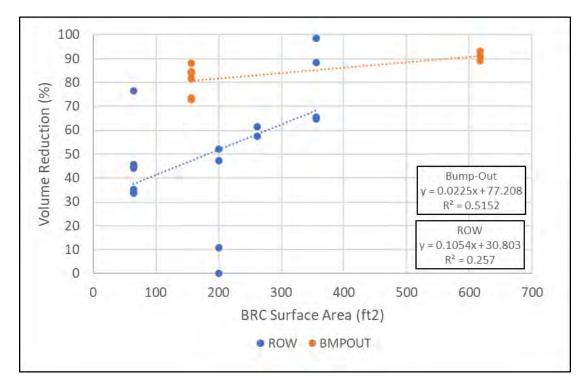


Figure 11: Volume reduction as a function of bioretention cell (BRC) surface area for practices constructed in the right-of-way (ROW) or as bump-outs (BMPOUT) into roadside parking areas.

Simulated storm testing will expand in 2021; however, difficulties have been documented regarding the duration of simulated storm testing in some areas. Barriers encountered during testing to-date include: (1) connections between the BRCs in the Blenheim sewershed to the sewer systems are located in the middle of the road, where paving delayed testing until November 2020, and (2) bioretention underdrains in several of the sewersheds, namely

Overbrook-Chatham, Morse-Dominion, and portions of the Schreyer-Shields sewershed, are connected to the bottom of the catch basin via a smooth connection (i.e., no drop between the outlet pipe and the sewer network), making traditional outflow measurements infeasible. Due to these challenges, it was determined that testing in the Blenheim sewershed would be delayed until 2021; further, no simulated storm testing will be performed in the Overbrook-Chatham and Morse-Dominion sewersheds.

Water Quality

Nitrogen Species

Summary statistics of the concentrations and storm event loads of various nitrogen species present in samples collected during the 2016-2020 monitoring period are presented in Figure 31 through Figure 36 (Appendix D). ON made up 84-91% of TKN at each site, and nitrate was 37-51% of TN. Aqueous phase nitrogen (i.e., TAN plus NO₂₋₃) made up 44-67% of TN.

The median TAN concentrations at Blenheim and Cooke-Glenmont were significantly reduced by 69.4% and 65.5%, respectively, following the installation of GI (Table 17). At Indian Springs, a non-significant 60.5% reduction in median TAN concentration was observed between the pre- versus post-GI phases; however, there was a significant 25% reduction between median concentrations between the pre-GI and post-Blueprint phases. No significant difference in TAN storm event loading was observed between any phases in all treatment sewersheds. Aerobic environments within bioretention media promote nitrification, where TAN is biologically oxidized to NO₂ and further oxidized to NO₃ (Hunt et al. 2012; Wang et al. 2017; Osman et al. 2019). The significant reduction in median TAN concentration and increase in median NO₃ concentration (by 20.8%; not significant) supports the occurrence of nitrification within bioretention at Cooke-Glenmont. A non-significant 17% increase in TAN storm event loading at Indian Springs between the pre-GI and post-Blueprint phases is further evidence of nitrification

with the installation of GI. Data from a number of studies summarized in the International Stormwater BMP Database (ISBMPD) support the occurrence of nitrification in individual bioretention cells, with the median NO₃ concentration increasing from 0.35 mg/L to 0.48 mg/L in bioretention cells (Clary & Jones, 2016). Other sewershed-scale studies also demonstrated nitrification in GI, with TAN concentrations and storm event loads decreasing 19-71%, and concurrent NO₃ concentrations and storm event loads increasing by up to 100% (Bedan & Clausen, 2009; Page et al., 2015a). Beyond bioretention, permeable pavements also allow for nitrification due to the aerobic environment in the pavement subsurface (Collins et al., 2010; Tota-Maharaj & Scholz, 2010).

Table 17: Summary statistics for concentrations and storm event loads of nitrogen species between calibration and treatment phases at Blenheim (Blen; pre-versus post-GI), Cooke-Glenmont (CG; baseline versus post-GI), and Indian Springs (IS; pre-GI versus post-GI and pre-GI versus post-Blueprint (BP)). Interpretations were based on ANCOVA analyses.

				Calibration	Phrase		Treatment	•		Statistical Re	esults
	Pollutant	Site	n	Control Median	Treatment Median	n	Control Median	Treatment Median	LSM % Difference	p-value	Interpretation
		Blen	37	0.09	0.08	7	0.04	0.03	-69.4	0.046*	Pre-GI>Post-GI
	TAN	CG	20	0.11	0.12	66	0.05	0.05	-65.5	0.025	Baseline>Post-GI
	TAN	IS Post-GI	22	0.09	0.19	18	0.05	0.07	-60.5	0.525	No sig. difference
		IS Post-BP	22	0.09	0.19	24	0.04	0.13	-25	0.002	Pre-GI>Post-BP
		Blen	34	0.96	1.1	7	1.1	0.89	-21.4	0.148	No sig. difference
	TIZNI	CG	18	1.25	1.54	63	0.99	1.2	-11.5	0.578	No sig. difference
	TKN	IS Post-GI	21		1.1	16	1.06	1	-16.5	0.199	No sig. difference
		IS Post-BP	21	0.94	1.1	25	1.20	0.94	-23.7	0.036	Pre-GI>post-BP
		Blen	32	0.91	0.97	7	1.01	0.84	-16.4	0.286	No sig. difference
	OrgN	CG	15	1.11	1.44	60	0.93	1.16	-21.5	0.038	Baseline>Post-GI
		IS Post-GI	10	1.00	0.00	16	1.00	0.82	3.1	0.015	Pre-GI <post-gi< td=""></post-gi<>
Concentration (mg/L)		IS Post-BP	18	1.09	0.89	24	1.06	0.78	-16.1	0.008	Pre-GI>Post-BP
(mg/L)		Blen	20	0.62	0.89	6	0.34	0.59	-8.4	0.041*	No sig. difference
	Nitrate	CG	10	0.63	0.58	49	0.63	0.72	20.8	0.359	No sig. difference
	Minate	IS Post-GI	13	0.56	0.99	16	0.81	0.82	-22.7	0.036*	No sig. difference
		IS Post-BP	13	0.50	0.99	22	0.45	1.1	-10.1	0.033*	No sig. difference
		Blen	20	0.0315	0.0248	6	0.014	0.015	-34.6	0.41	No sig. difference
	Nitrite	CG	11	0.04	0.043	50	0.019	0.020	-52.6	0.055	No sig. difference
	Nunc	IS Post-GI	13	0.038	0.039	16	0.022	0.020	-30.9	0.145	No sig. difference
		IS Post-BP	13	0.036	0.037	22	0.014	0.014	-43.6	0.092	No sig. difference
		Blen	35	1.6	1.52	7	1.37	1.49	4.0	0.543	No sig. difference
	TN	CG	17	1.7	2.35	63	1.62	1.87	-9.1	0.321	No sig. difference
		IS Post-GI	21	1.74	1.91	18	1.94	1.81	-24.1	0.061	No sig. difference
-	_	IS Post-BP				25	1.76	2.03	-15.4	0.13	No sig. difference

		Blen	13	4.2E-03	7.7E-03	6	9.3E-04	6.4E-04	-84.1	0.086	No sig. difference
	TAN	CG	16	4.4E-03	4.5E-03	64	1.6E-03	1.4E-03	-72.7	0.097	No sig. difference
	TAN	IS Post-GI	10	2.55.02	(OF 02	16	1.9E-03	4.3E-03	-47.1	0.669	No sig. difference
		IS Post-BP	19	2.5E-03	6.9E-03	17	1.2E-03	4.7E-03	17	0.131	No sig. difference
		Blen	12	3.4E-02	4.6E-02	6	1.9E-02	2.9E-02	-35.7	0.546	No sig. difference
	TELEVI	CG	15	4.5E-02	3.4E-02	61	3.2E-02	3.3E-02	-22.9	0.789	No sig. difference
	TKN	IS Post-GI	10	4.45.02	6.50.00	14	4.0E-02	5.0E-02	-19.9	0.03	Pre-GI>Post-GI
		IS Post-BP	19	4.4E-02	6.5E-02	18	2.4E-02	3.8E-02	-3.23	0.48	No sig. difference
		Blen	10	3.2E-02	4.3E-02	6	1.7E-02	2.7E-02	-43.9	0.8	No sig. difference
	0. N	CG	13	3.9E-02	3.7E-02	58	3.0E-02	3.3E-02	-29.1	0.14	No sig. difference
	OrgN	IS Post-GI	1.7	2.75.02	2.05.02	14	3.7E-02	4.4E-02	-2.4	0.013	Pre-GI>Post-GI
		IS Post-BP	17	3.7E-02	3.0E-02	17	2.3E-02	3.4E-02	11.2	0.342	No sig. difference
Load (lb/ac)		Blen	6	1.6E-02	1.8E-02	6	5.6E-03	1.9E-02	4.4	0.599	No sig. difference
	Nitrate	CG	9	3.3E-02	1.3E-02	47	1.6E-02	1.7E-02	16.2	0.43	No sig. difference
		IS Post-GI		1.17.00	1.5E-02	14	1.6E-02	2.6E-02	-3.0	0.989	No sig. difference
		IS Post-BP	13	1.1E-02		15	8.9E-03	4.0E-02	22.7	0.033	Pre-GI <post-bp< td=""></post-bp<>
		Blen	6	9.3E-04	8.5E-04	6	2.9E-04	5.0E-04	-55	0.393	No sig. difference
	X ** . *.	CG	10	1.5E-03	1.1E-03	48	6.3E-04	5.6E-04	-58.7	0.229	No sig. difference
	Nitrite	IS Post-GI		1.07.02	0.25.04	14	4.5E-04	9.6E-04	-16.7	0.855	No sig. difference
		IS Post-BP	13	1.0E-03	9.3E-04	15	3.0E-04	5.3E-04	-12.4	0.567	No sig. difference
		Blen	12	4.8E-02	5.9E-02	6	2.6E-02	4.8E-02	-18.1	0.968	No sig. difference
	TD I	CG	14	6.7E-02	6.2E-02	62	4.8E-02	4.7E-02	-27.4	0.451	No sig. difference
	TN	IS Post-GI	10	4.05.02	0.15.02	16	5.2E-02	8.2E-02	-16.8	0.029	Pre-GI>Post-BP
		IS Post-BP	19	4.9E-02	8.1E-02	18	3.1E-02	6.7E-02	-8.8	0.336	No sig. difference
Normality of mod	del residuals c	onfirmed vi	sually.								

^{*}Normality of model residuals confirmed visually.

Effective removal of dissolved nitrogen forms, especially NO₃, is made difficult by the aerobic environment characteristic of many GI practices (Lopez-Ponnada et al., 2020; Muerdter et al., 2019). An internal water storage (IWS) zone or other restrictions to drainage is often needed to promote anaerobic conditions and subsequent denitrification in bioretention cells (Page et al., 2015a). Denitrification, the conversion of NO₃ to nitrogen gas, is a bacterially mediated process that occurs in bioretention media under anoxic conditions (Hsieh et al., 2007). Though minor, plant uptake can also serve as a NO₃ removal pathway (Collins, et al., 2010). Non-significant reductions in NO₂ and NO₃ concentrations and storm event loads were observed in some instances at Blenheim and Indian Springs. Despite this, it is anticipated that NO₃ uptake by the bioretention cells in the treatment sewersheds will improve as the plant roots and microbial communities in these systems become more established (Hopkinson & Giblin, 2008).

TKN storm event loads decreased significantly (by 19.9%, respectively) at Indian Springs following the installation of GI. Other sewersheds demonstrated substantial, but not significant reductions for TKN concentration (11.5-21.4%) and storm event loads (22.9-35.7%) (Table 17). Median TKN effluent concentrations of 1.39 and 1.00 mg/L for single bioretention cells and permeable pavements were reported in the ISBMPD, respectively (Clary & Jones, 2016); thus, further TKN reduction beyond concentrations observed for post-GI phases herein (0.89-1.20 mg/L) is unlikely. Page et al. (2015a) reported TKN concentrations decreased by 62% to a post-construction EMC of 0.45 mg/L following the implementation of GI in the sewershed. Thus, given the level of imperviousness treated by GI (66.5-69.7%) and low influent EMCs observed herein, additional TKN removal by GI in the treatment sewersheds is unlikely.

Since OrgN comprised 84-91% of TKN, the magnitude of OrgN reductions were similar to those of TKN (Table 17). OrgN concentration reductions were significant for Cooke-Glenmont (21.5%) and Indian Springs (16.1%) with the installation of GI and subsequent Blueprint pillars (Figure 12). A significant 2.4% decrease in storm event OrgN loads between the pre-GI and post-GI phases was observed at Indian Springs. Previous research confirms the role of GI in OrgN removal in the Indian Springs sewershed. Particulate ON removal has been shown to occur in bioretention and permeable pavement primarily through sedimentation and filtration processes (Li & Davis, 2014; Winston et al., 2016a).

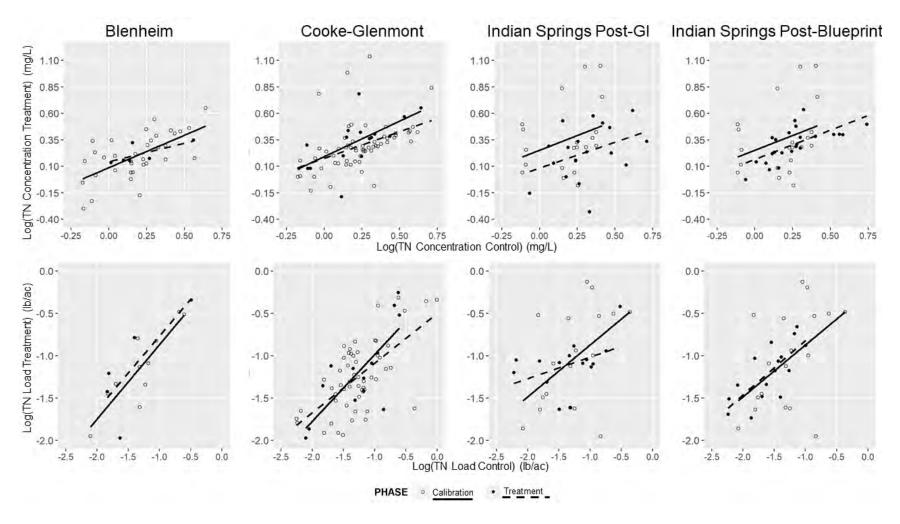


Figure 12: ANCOVA analysis for TN concentration and storm event load at all three treatment sites in relationship to the control (Beechwold). Calibration phase includes pre-GI at Blenheim and Indian Springs and baseline at Cooke-Glenmont. Treatment phase includes post-GI for all plots except the rightmost column, where it is post-Blueprint.

No significant differences in TN concentration were observed in any treatment sewershed following the installation of GI. The median TN storm event load was significantly reduced by 16.8% between the pre- and post-GI phases at Indian Springs (Table 17; Figure 12). Stormwater runoff attenuation provided by bioretention and N conversions within GI are responsible for the observed TN storm event load reduction at Cooke-Glenmont. TN reduction has been observed in bioretention, where median TN concentrations in the ISBMPD were reduced from 1.24 to 1.04 mg/L (Clary & Jones, 2016). Since median TN concentrations during the post-GI phase (1.49, 1.88, 1.81 mg/L for Blenheim, Cooke-Glenmont, and Indian Springs, respectively) were higher than those reported in the ISBMPD, further TN reduction is possible, perhaps through the use of IWS zones, bioretention media amendments, or through additional bioretention implementation to treat a greater percentage of the sewersheds. Nitrification, sedimentation, and filtration were the main mechanisms of TN conversion and reduction in treatment sewersheds; TAN was converted to NO₃ in the aerobic soil media, and TKN was removed as particulates settled or were filtered by the bioretention cells. Permeable pavement provided additional opportunities for filtration to contribute to TN reductions at Indian Springs.

Phosphorus Species

Summary statistics of the concentrations of various phosphorus species present in samples collected during the 2016-2020 monitoring period are presented in Table 18 and Figure 37 through Figure 39 (Appendix D). Sources of phosphorus in residential watersheds include erosion, which mobilizes phosphorus-rich sediments, atmospheric deposition, human and animal wastes, relic phosphorus in soil from fertilizers, and starter fertilizer (P was eliminated from commercially available lawn fertilizer in Ohio in 2013).

Table 18: Summary statistics for concentrations and storm event loads of phosphorus species (OP is orthophosphate, PBP is particle bound phosphorus, and TP is total phosphorus) between calibration and treatment phases at Blenheim (Blen; pre- versus post-GI), Cooke-Glenmont (CG; baseline versus post-GI), and Indian Springs (IS; pre-GI versus post-GI versus post-Blueprint (BP)). Interpretations were based on ANCOVA analyses.

				Calibration	Phrase		Treatment	Phrase	_	Statistical Re	sults
	Pollutant	Site	n	Control Median	Treatment Median	n	Control Median	Treatment Median	LSM % Difference	p-value	Interpretation
	_	Blen	20	0.11	0.13	6	0.12	0.09	5.4	0.584	No sig. difference
	OP	CG	11	0.12	0.14	45	0.11	0.12	20.8	0.118	No sig. difference
	OP	IS Post-GI	1.4	0.11	0.00	15	0.11	0.07	-25.2	0.174	No sig. difference
		IS Post-BP	14	0.11	0.09	16	0.1	0.05	-41.9	0.003*	Pre-GI>Post-BP
		Blen	28	0.18	0.15	5	0.09	0.06	-71.5	0.028	Pre-GI>Post-GI
Concentration	DDD	CG	19	0.21	0.23	54	0.13	0.18	-43.3	0.123	No sig. difference
(mg/L)	PBP	IS Post-GI	10	0.15	0.2	14	0.11	0.06	-66.5	0.053	No sig. difference
		IS Post-BP	19	0.15	0.2	20	0.15	0.08	-61.9	0.014*	Pre-GI>Post-BP
	TP	Blen	37	0.17	0.18	7	0.23	0.15	-35.8	0.024*	Pre-GI>Post-GI
		CG	20	0.26	0.32	66	0.19	0.22	-27.7	0.288	No sig. difference
	TP	IS Post-GI	22	0.24	0.2	18	0.23	0.11	-47.4	0.008	No sig. difference
		IS Post-BP	22	0.24	0.2	25	0.23	0.08	-60	4.61E-05*	Pre-GI>Post-BP
		Blen	6	2.1E-03	2.8E-03	6	3.1E-03	3.8E-03	17.2	0.755	No sig. difference
		OP.	CG	10	4.5E-03	1.9E-03	43	2.7E-03	2.6E-03	1.8	0.435
	OP	IS Post-GI	1.4	2.45.02		13	1.8E-03	1.8E-03	-27.1	0.729	No sig. difference
		IS Post-BP	14	2.4E-03	2.7E-03	11	2.7E-03	2.2E-03	-6.0	0.751	No sig. difference
		Blen	11	3.1E-03	4.4E-03	5	1.4E-03	8.6E-04	-82.1	0.352	No sig. difference
1 (11 /)	DDD	CG	14	5.7E-03	7.0E-03	51	4.3E-03	4.1E-03	-55.2	0.139	No sig. difference
Load (lb/ac)	PBP	IS Post-GI	1.5	((F 02	0 CE 02	12	4.2E-03	3.4E-03	-40.7	0.531	No sig. difference
		IS Post-BP	15	6.6E-03	8.6E-03	15	2.5E-03	3.4E-03	-13.8	0.917	No sig. difference
		Blen	12	4.8E-03	6.6E-03	6	5.0E-03	5.4E-03	-37.5	0.305	No sig. difference
	TD	CG	15	6.9E-03	8.2E-03	64	5.6E-03	5.9E-03	-41.9	0.367	No sig. difference
	TP	IS Post-GI	1.0	5.0E.02	7.55.02	16	6.9E-03	8.5E-03	-27.8	0.539	Pre-GI>Post-GI
		IS Post-BP	18	5.9E-03	7.5E-03	18	3.6E-03	3.7E-03	-36.6	0.693	No sig. difference

^{*}Normality of model residuals confirmed visually.

Orthophosphate (OP), the most biologically available form of phosphorus that causes eutrophication in natural water bodies (Correll, 1998), accounted for 34-59% of TP at each sewershed. Although not significant, OP concentrations and storm event loads increased by 5.4% and 17.2% at Blenheim, and 20.8% and 1.8% at Cooke-Glenmont with the installation of GI (Table 18, Appendix D – Figure 37). Studies documented in the ISBMPD generally report increases of OP within bioretention, with median influent and effluent concentrations of 0.02 to 0.27 mg/L, respectively (Clary & Jones, 2016). Phosphorus export has also been observed in bioretention column studies (Bratieres et al., 2008; Palmer et al., 2013) and field-scale studies of street-side bioretention (Chapman & Horner, 2010) in urban areas and has been tied to leaching from organic matter, typically from compost used in bioretention media mixes (Hurley et al., 2017; Tirpak et al. 2021). OP concentration increases have also been attributed to lawn clippings and decomposition of organic matter in bioretention (Passeport et al., 2009).

OP storm event loads at Cooke-Glenmont during the post-GI phase showed no significant difference from the control sewershed (Beechwold). Conversely, OP concentrations and storm event loads decreased by 25.2% and 27.1%, respectively, with the installation of GI at Indian Springs, and 41.9% (p<0.005) and 6.0% with the completion of the other Blueprint pillars (Table 18; Figure 13). A distinguishing feature compared to the other treatment sewersheds, types of GI installed in the Indian Springs sewershed included permeable pavements, which have been tied to OP removal. Drake et al. (2014) found that OP concentrations were reduced in a permeable pavement practice employing permeable interlocking concrete pavement by 26–35%. Braswell et al. (2018) also observed effective treatment of OP, with significant reductions in concentration of 71%.

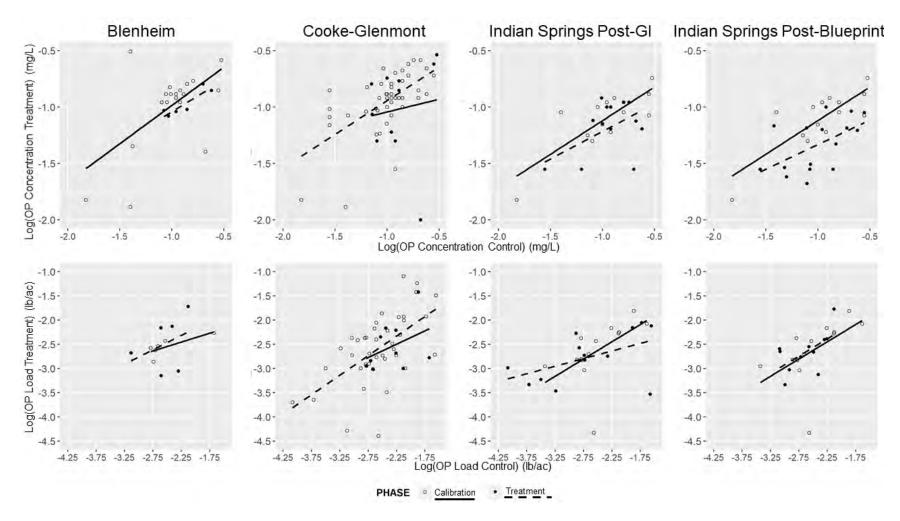


Figure 13: ANCOVA analysis for OP concentration and storm event load at all three treatment sites in relationship to the control (Beechwold). Calibration phase includes pre-GI at Blenheim and Indian Springs and baseline at Cooke-Glenmont. Treatment phase includes post-GI for all plots except the rightmost column, where it is post-Blueprint.

In addition to the OP reductions due to permeable pavement, additional OP reduction was likely caused by sorption to silt, clay, and organic matter and vegetative uptake within the bioretention practices (Davis et al., 2006; Roy-Poirier et al., 2010). Since the same bioretention media was utilized in all treatment sewersheds and phosphorus-containing fertilizers are prohibited in Ohio, the OP increases at Blenheim and Cooke-Glenmont and significant decrease at Indian Springs may also be related to differences in the age of the bioretention cells in the sewersheds. Previous studies have not only demonstrated higher OP leaching rates from aged compost, but also different leaching trends with exposure to repeated storm events (Mullane et al., 2015; Hurley et al., 2017). While this study supports the call for further research in dissolved nutrient leaching from compost in GI over time, it is evident that including permeable pavement in the GI installed at Indian Springs contributed to significant reduction in OP concentrations.

Median PBP concentrations were significantly reduced by 71.5% between the pre-GI than the post-GI phase at Blenheim, and by 61.9% between the pre-GI than the post-Blueprint phase at Indian Springs (Table 18). However, no significant differences in PBP storm event load were observed in the treatment sewersheds. Observed PBP reductions in the treatment sewersheds were attributed to sedimentation, filtration, and volume reduction within the bioretention cells and permeable pavements (Roy-Poirier et al., 2010; Winston, et al., 2016a; Tirpak et al. 2020).

Median TP concentrations and storm event loads significantly decreased by 35.8% and 37.5%, respectively, following the installation of GI at Blenheim, and by 60.0% and 36.6% (not significant for storm event loading here) in the post-Blueprint phase at Indian Springs (Table 18; Figure 14). However, the median TP storm event load at Indian Springs was reduced in the post-GI phase only (by 27.8%). Since a non-significant reduction in median TP concentration and storm event load was observed at Indian Springs in the post-GI project phase, PBP reduction

likely offset the marginal OP increases in the sewershed. Previous residential and commercial GI studies demonstrated TP concentration and load reductions in the range of 29-72% (Line et al., 2012; Page et al., 2015a). Reductions observed herein were likely due to a combination of adsorption of dissolved phosphorus and sedimentation of particulate phosphorus in bioretention (Hsieh & Davis, 2005; Roy-Poirier et al., 2010a).

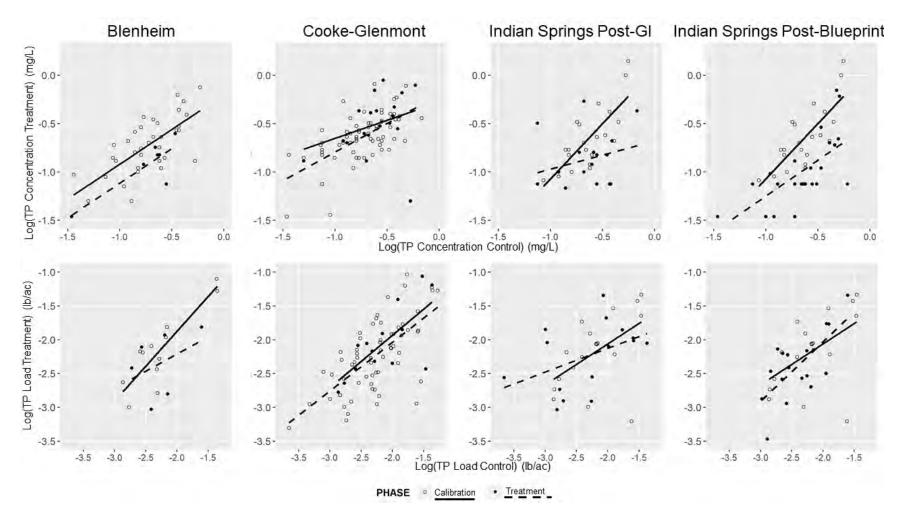


Figure 14: ANCOVA analysis for TP concentration and storm event load at all three treatment sites in relationship to the control (Beechwold). Calibration phase includes pre-GI at Blenheim and Indian Springs and baseline at Cooke-Glenmont. Treatment phase includes post-GI for all plots except the rightmost column, where it is post-Blueprint.

Total Suspended Solids

Summary statistics of the concentrations and loads of TSS collected during the 2016-2020 monitoring period are presented in Table 19 and Figure 40 (Appendix D). Median TSS concentrations and loads decreased by 62.1% and 78.3%, respectively at Cooke-Glenmont following the installation of GI, which treated 66.5% of the imperviousness area in the sewershed (Table 19; Figure 15). ANCOVA analysis for this sewershed revealed that while the difference in intercepts was not significant, regression slopes were significantly different between the baseline and post-GI periods for TSS storm event loads (p<0.001). In fact, every ANCOVA analysis performed for TSS concentration and storm event load, except for storm event loads in the post-Blueprint phase at Indian Springs, showed a similar pattern. This indicates that differences in TSS observed could be related to variations in sediment export from the treatment sewersheds for different rainfall characteristics.

Table 19: Summary statistics for concentrations and storm event loads of TSS between calibration and treatment phases at Blenheim (Blen; pre-versus post-GI), Cooke-Glenmont (CG; baseline versus post-GI), and Indian Springs (IS; pre-GI versus post-GI and pre-GI versus post-Blueprint (BP)).

Interpretations were based on ANCOVA analyses.

				Calibration Pha	ase		Treatment Pha	ise	Statistical Results		
	Pollutant	Site	n	Control Median	Treatment Median	n	Control Median	Treatment Median	LSM % Difference	p-value	Interpretation
Concentration (mg/L)	TSS	Blen	34	63.5	62.8	7	43	44	-37.6	0.571	No sig. difference
		CG	19	74	160	65	43	48	-62.1	0.001*	Baseline>Post-GI
		IS Post-GI	10	50.75	83.28	18	30	20	-67.7	0.009	Pre-GI>Post-GI
		IS Post-BP	18			25	39	16	-76.2	3.12E-05	Pre-GI>Post-BP
		Blen	11	1.85	1.96	6	0.63	1.37	-50.4	0.826	No sig. difference
1 1 (11 /)	TOO	CG	14	2.88	5.77	63	1.41	1.22	-78.3	0.006	Pre-GI>Post-GI
Load (lb/ac)	TSS	IS Post-GI	15	1.85	3.34	16	1.19	1.28	-59.5	0.15	No sig. difference
		IS Post-BP				18	0.83	0.58	-64.9	0.037	Pre-GI>Post-BP

^{*}Normality of model residuals confirmed visually.

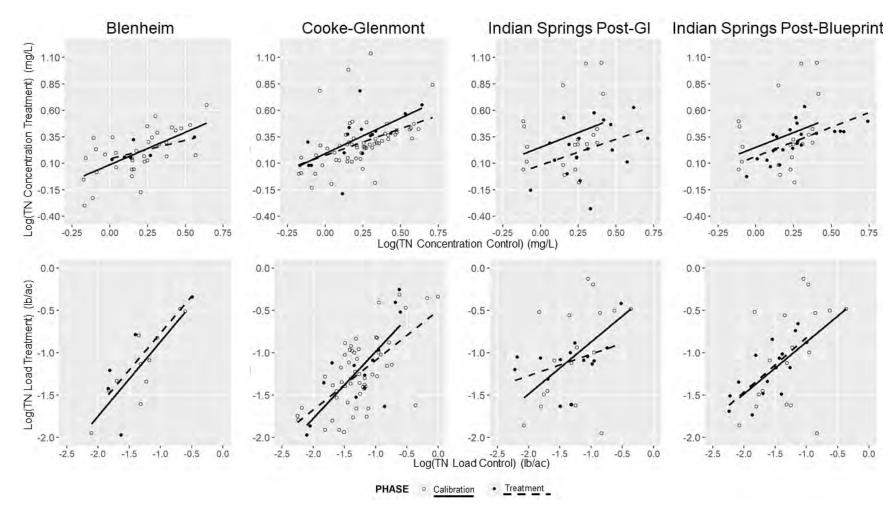


Figure 15: ANCOVA analysis for TSS concentration and storm event load at all three treatment sites in relationship to the control (Beechwold). Calibration phase includes pre-GI at Blenheim and Indian Springs and baseline at Cooke-Glenmont. Treatment phase includes post-GI for all plots except for the rightmost column, where it is post-Blueprint.

Similar TSS generation was observed for smaller depth, low peak-intensity storm events during the baseline and post-GI phases (Figure 16). Storm events with these characteristics often mobilize less sediment, so further TSS reduction through GI is unlikely. Meanwhile, GI substantially reduced TSS concentrations for larger depth, higher peak-intensity storm events when influent concentrations were higher. TSS concentrations decreased 67.7% between the preand post-GI phases at Indian Springs, when 69.7% of the impervious area in the sewershed was treated by GI. In this study, reductions in TSS concentrations closely paralleled the sewershed imperviousness treated by GI. Median TSS concentrations decreased from 83 to 20 mg/L and storm event TSS loads decreased by 59.5% with the installation of GI in the Indian Springs sewershed (Table 19). Median TSS concentrations during the post-GI phase at both treatment sewersheds (48 and 20 mg/L for Cooke-Glenmont and Indian Springs, respectively) were larger than those reported by the ISBMPD for effluent from single bioretention cells and permeable pavement (10.0 and 26.0, respectively; Clary & Jones, 2016). This implies further TSS reduction is possible through greater GI implementation targeting treatment of a greater percentage of the sewersheds, though the 20% TSS reduction goal that the City of Columbus set has been easily exceeded. This was observed between the Post-GI and Post-Blueprint phases, where the median TSS concentration decreased to 16 mg/L.

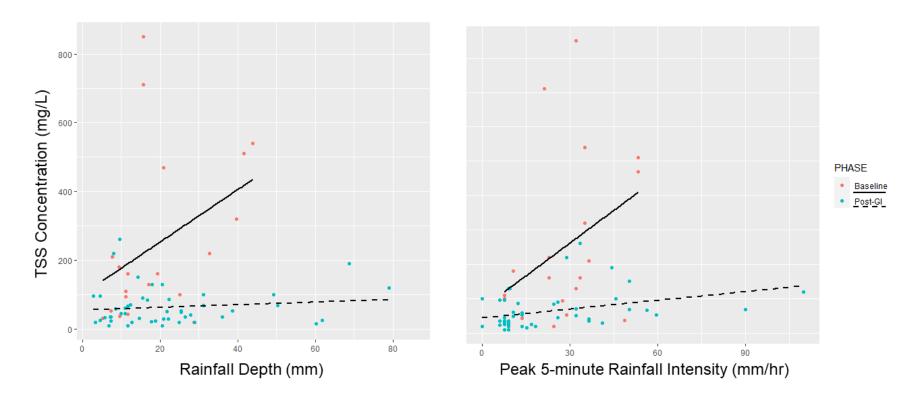


Figure 16: Total suspended solids (TSS) and rainfall depth, peak 5-minute rainfall intensity for baseline and post-GI phases at Cooke-Glenmont.

Bioretention cells effectively decrease TSS concentrations through sedimentation and filtration, at times by several orders of magnitude (Trowsdale & Simcock, 2011). In addition to bioretention, permeable pavement at Indian Springs contributed to the decrease in TSS concentration through filtration (Brown et al., 2009). Other residential and commercial GI studies reported significant differences in TSS concentration; Page et al (2015) reported an 82% decrease in TSS, from 54 to 7 mg/L, and Line et al. (2012) reported a 97% decrease, from 244 to 8 mg/L. Coupled with previous research, the data presented herein support the conclusion that the percent TSS concentration reduction in residential sewersheds is similar to the percent of the sewershed imperviousness treated by GI (within a margin of 5%). This information is valuable to engineers and regulators as they try to meet local TSS concentration regulations.

Blenheim is not discussed herein because only seven storms were sampled during the post-GI phase. If these trends continue, future years will reveal the percent TSS concentration reduction is within a margin of 5% of the imperviousness treated by GI at Blenheim.

Heavy Metals

Summary statistics of the concentrations of heavy metals present in samples collected during the 2016-2020 monitoring period are presented in Table 20 and Figure 49 through Figure 54 (Appendix D). Percent heavy metal concentration and storm event load reductions with the installation of GI in the treatment sewersheds followed the order: Pb > Cd > Zn > Cu > Cr > Ni. Whereas none of the heavy metal storm event loadings were significant between project phases, heavy metal concentrations significantly decreased in concentration on several occasions. At Blenheim, the median concentration of Zn significantly decreased by 49.9% following the installation of GI. At Cooke-Glenmont, the median concentrations of Cd, Cr, Cu, Ni, and Pb significantly decreased (by 63.3%, 4.2%, 36.3%, 35.3%, and 49.7%, respectively) between the baseline and post-GI

phases. At Indian Springs, the median concentration of Cd (69.6%) and Ni (14.2%) significantly decreased with the installation of GI; once the remaining Blueprint pillars were complete, the concentrations of all the previously mentioned heavy metals aside from Ni significantly decreased.

Table 20: Summary statistics for concentrations and storm event loads of TSS between calibration and treatment phases at Blenheim (Blen; pre-versus post-GI), Cooke-Glenmont (CG; baseline versus post-GI), and Indian Springs (IS; pre-GI versus post-GI and pre-GI versus post-Blueprint (BP)).

Interpretations were based on ANCOVA analyses.

				Calibration Ph	ase		Treatment Ph		Statistical Results			
	Pollutant	Site	n	Control Median	Treatment Median	n	Control Median	Treatment Median	LSM % Difference	p-value	Interpretation	
		Blen	37	0.099	0.089	6	0.051	0.0614	-12.6	0.958	No sig. difference	
	Cd	CG	19	0.12	0.2	65	0.062	0.078	-63.3	0.004	Baseline>Post-GI	
		IS Post-GI	20	0.105	0.115	17	0.066	0.041	-69.6	0.006*	Pre-GI>Post-GI	
		IS Post-BP	20	0.105	0.115	25	0.062	0.068	-50.2	0.015*	Pre-GI>Post-BP	
-	Cr	Blen	37	3.7	3	7	5.1	2.1	-38.2	0.149	No sig. difference	
		CG	19	3.4	1.9	65	3.3	1.7	-4.2	0.002	Baseline>Post-GI	
		IS Post-GI	20	2.4	2.45	17	3	1.9	-24.7	0.25	No sig. difference	
-		IS Post-BP	20	3.4	2.45	25	2.4	1.2	-54.7	5.94E-05*	Pre-GI>Post-BP	
	Cu	Blen	37	11.1	10.3	7	8.7	7.2	-34.9	0.052	No sig. difference	
		CG	19	11.3	15.35	65	8.1	9.7	-36.3	0.005	Baseline>Post-GI	
		IS Post-GI	20	11.74	12.20	17	6.4	7.8	-37	0.325	No sig. difference	
Concentration		IS Post-BP	20	11.74	12.38	25	9.5	8.9	-34.3	0.031*	Pre-GI>Post-BP	
(mg/L)		Blen	37	2.4	3.6	7	1.8	3.2	-8.9	0.802	No sig. difference	
	Ni	CG	19	2.65	7.7	65	2.3	5	-35.3	0	Baseline>Post-GI	
	IN1	IS Post-GI	20	2.45	4.2	17	2.6	2.7	-14.2	0.030*	Pre-GI>Post-GI	
		IS Post-BP	20	2.45	4.2	25	2.3	3.2	-8.2	0.507	No sig. difference	
		Blen	37	5.8	7.8	7	3.8	5	-44.1	0.05	No sig. difference	
	DI.	CG	19	6.7	9.4	65	4.8	4	-49.7	0.008*	Baseline>Post-GI	
	Pb	IS Post-GI	20	5.0	4.7	17	4.1	2.3	-58.3	0.052	No sig. difference	
		IS Post-BP	20	5.8	4.7	25	4.7	1.7	-67.5	9.24E-06	Pre-GI>Post-BP	
·		Blen	37	61.8	50	7	50.1	34	-49.9	0.003	Pre-GI>Post-GI	
	7	CG	19	70.6	50	65	39.3	33.1	-22.8	0.441	No sig. difference	
	Zn	IS Post-GI	20	(9.25	5477	17	30.4	24.8	-45.5	0.603	No sig. difference	
		IS Post-BP	20	68.35	54.77	25	49.2	36.1	-40.7	0.013	Pre-GI>Post-BP	

		Blen	13	2.6E-06	4.4E-06	6	8.0E-07	1.8E-06	-58.5	0.645	No sig. difference
	C1	CG	16	5.5E-06	5.1E-06	63	2.0E-06	1.8E-06	-68.5	0.107	No sig. difference
	Cd	IS Post-GI	17	2 (E 0(3.9E-06	15	1.9E-06	1.6E-06	-63.3	0.108	No sig. difference
		IS Post-BP	1 /	2.6E-06		18	1.1E-06	2.2E-06	-29.5	0.456	No sig. difference
		Blen	13	5.8E-05	7.7E-05	6	5.1E-05	1.2E-04	-7.5	0.434	No sig. difference
	C:	CG	16	7.2E-05	5.1E-05	63	1.0E-04	5.8E-05	-13.2	0.441	No sig. difference
	Cr	IS Post-GI	17	5 OF 05	0.05.05	15	6.6E-05	1.1E-04	-8.6	0.911	No sig. difference
		IS Post-BP	17	5.8E-05	9.0E-05	18	5.6E-05	3.3E-05	-46.6	0.376	No sig. difference
	Cu	Blen	13	2.5E-04	4.1E-04	6	1.4E-04	2.9E-04	-42.3	0.304	No sig. difference
		CG	16	3.8E-04	4.0E-04	63	2.8E-04	2.8E-04	-41	0.242	No sig. difference
		IS Post-GI	17	2.25.04	4.50.04	15	2.1E-04	4.6E-04	-21.3	0.596	No sig. difference
T 1/11/		IS Post-BP	17	3.3E-04	4.5E-04	18	1.5E-04	3.0E-04	-16.4	0.698	No sig. difference
Load (lb/ac)	Ni	Blen	13	4.1E-05	9.7E-05	6	3.4E-05	1.3E-04	2.6	0.662	No sig. difference
		CG	16	1.1E-04	2.1E-04	63	7.4E-05	1.6E-04	-43	0.068	No sig. difference
		IS Post-GI	1.7	(2E 05	1.7E-04	15	5.5E-05	1.5E-04	-14.2	0.907	No sig. difference
		IS Post-BP	17	6.3E-05		18	4.9E-05	1.3E-04	-8.24	0.173	No sig. difference
		Blen	13	1.5E-04	2.9E-04	6	5.6E-05	1.6E-04	-48.5	0.218	No sig. difference
	Pb	CG	16	2.1E-04	2.5E-04	63	1.7E-04	1.2E-04	-53.5	0.103	No sig. difference
	ro	IS Post-GI	17	1.7E-04	2.0E-04	15	1.2E-04	1.4E-04	-58.3	0.322	No sig. difference
-		IS Post-BP	1 /	1./E-04	2.0E-04	18	9.7E-05	5.0E-05	-67.5	0.26	No sig. difference
		Blen	13	1.4E-03	1.5E-03	6	7.4E-04	5.1E-04	-61.1	0.089	No sig. difference
	7	CG	16	2.1E-03	1.2E-03	63	1.2E-03	1.1E-03	-27.7	0.763	No sig. difference
	Zn	IS Post-GI	17	1.4E-03	2.2E-03	15	9.1E-04	1.9E-03	-32.5	0.622	No sig. difference
		IS Post-BP	1 /	1.4E-03	2.2E-U3	18	7.5E-04	1.1E-03	-21.2	0.402	No sig. difference
*Normality of	منوعة المام م	luala aan firm	ما المسام			•	•				

^{*}Normality of model residuals confirmed visually.

Heavy metals are present in dissolved, colloidal, and particulate forms (Guéguen & Dominik, 2003). In urban stormwater runoff, Pb and Cr are highly particulate bound, while Ni is related to particles and organic matter. Zn can adsorb to sediment and colloids in stormwater but is mostly associated with dissolved solids, whereas Cd and Cu are largely related to dissolved solids and colloidal materials (Makepeace et al., 1995; Maniquiz-Redillas & Kim, 2016). Birch and Rochford (2010) found that heavy metals in stormwater are primarily particulate bound, ranking their affinity for particulate form as: Pb>Zn>Cu>Cr>Cd>Ni. In urban areas, street runoff demonstrated the highest percentage of heavy metals, Cd, Cu, Pb, and Zn in the particulate form (72-97%), followed by yard (71-95%) and roof runoff (9-87%; Gromaire-Mertz et al., 1999). Since heavy metals are highly particulate-bound, it has been suggested that indirect metal pollutant load can be deduced from TSS measurements in some cases (Hallberg et al., 2007). In the cases of heavy metal analytes studied herein, Cd and Pb concentration reductions following the installation of GI trended closely with TSS reductions (Table 19; Table 20). Like TSS, the percent Cd concentration reduction in treatment sewersheds was similar to the percent of the sewershed imperviousness treated by GI (within a margin of 5%).

The median Pb concentrations significantly decreased by 49.7% and 58.3% at Cooke-Glenmont with the installation of GI and in the post-Blueprint phase at Indian Springs, respectively (Table 20). Although just outside the threshold of significance (p = 0.05 and 0.052), substantial reductions in median Pb concentrations were observed at Blenheim (44.1%) and Indian Springs after the installation of GI (58.3%). Pb EMCs substantially decreased with the installation of GI for larger depth, high peak intensity storm events, indicating the influence of rainfall characteristics on Pb mobilization in the sewersheds (Figure 17). Substantial, yet non-significant reductions in Pb storm event load were observed at all treatment sites in the post-GI

(48.5-58.3%) and post-Blueprint phases (67.5%). Substantial Pb EMC reductions were also reported by the ISBMPD, where 89.9% and 83.0% reductions were observed as runoff passed through bioretention and permeable pavement, respectively.

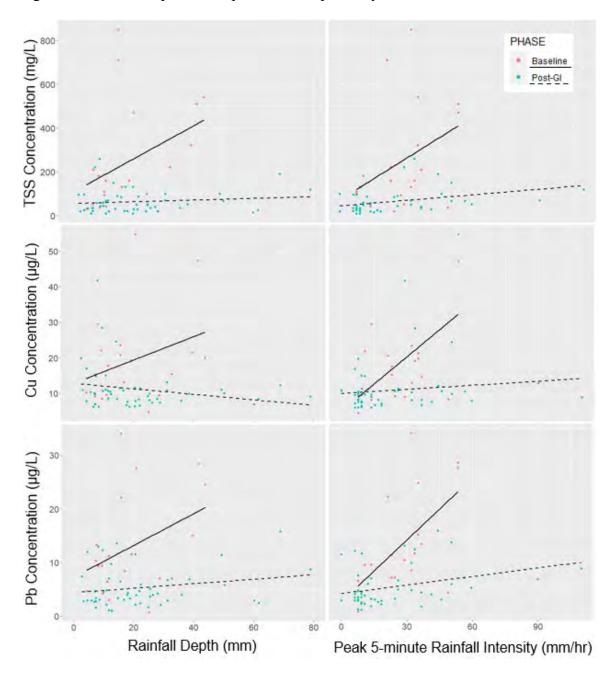


Figure 17: Total suspended solids (TSS), Cu, and Pb concentration plotted against rainfall depth and peak 5-minute rainfall intensity for baseline and post-GI phases at Cooke-Glenmont. Bioretention in the sewershed mitigated pollutant concentrations for larger storm events with high peak 5-minute rainfall intensities.

Given 23.6-30.1% of the sewershed area and 66.5-69.7% of the sewershed imperviousness was treated by GI at Cooke-Glenmont and Indian Springs, respectively, and median Pb EMCs were reduced by approximately 50%, substantial Pb removal via sedimentation must have occurred in GI. This is feasible due to the high affinity of Pb to bind to particulates compared to other metals studied herein (e.g., 95 and 97% particulate bound in roof and yard runoff, respectively; Birch & Rochford, 2010; Gromaire-Mertz et al., 1999). Other studies of residential GI demonstrated significant, 67-89% Pb EMC reductions with the installation of GI (Bedan & Clausen 2009; Page et al., 2015a). Laboratory bioretention studies demonstrated 95-97% Pb EMC reductions (Hsieh & Davis, 2005; Sun & Davis, 2007). Past permeable pavement studies demonstrated 79-92% reductions in Pb EMCs (Braswell, Winston, & Hunt, 2018; Scholz & Grabowiecki, 2007). This implies high rates of Pb removal were consistent across various settings and types of GI. The significant loading decrease observed at Cooke-Glenmont was likely due to both concentration and runoff volume reductions provided by GI in the sewershed.

Significant reductions in median Cd EMCs of 63.3 and 69.6% were observed at Cooke-Glenmont and Indian Springs, respectively, between the pre-GI and post-GI phases. Conversely, median Cd concentrations were reduced by just 12.6% (not significant) at Blenheim with the adoption of GI. Median Cd EMCs during the post-GI phase of 0.06, 0.08, 0.04 μg/L for Blenheim, Cooke-Glenmont, and Indian Springs, respectively, were similar to the 0.07 μg/L reported by the ISBMPD for effluent from a single bioretention cell (Clary & Jones, 2016), thus perhaps approaching an irreducible effluent concentration. As observed in Blenheim, data summarized in the ISBMPD also indicates non-significant reductions in total Cd EMCs from both permeable pavements and bioretention cells. Among all heavy metals, median Cd EMCs were most similar to the detection limit of 0.013 μg/L, where 19.0% of samples were below the

detection limit at Indian Springs. This may be due to the residential land use of the sewersheds, where major sources of Cd would be limited except to intersections where brake wear, and thus hotspots of Cd deposition, occurs (McKenzie et al., 2009; Singh et al., 2011).

While EMC differences were significant, load reductions of Cd at each treatment sewershed were not significantly different; the median Cd event load at Cooke-Glenmont was reduced by 68.5% and by 63.3% at Indian Springs in the post-GI phase (non-significant; Table 20). Cd EMCs and loads in these sewersheds exhibited the second-highest percent removal efficiency of all heavy metals examined herein. A laboratory bioretention evaluation reported Cd exhibiting the highest percentage removal efficiency (>95-98%) among heavy metal analytes studied (Cd, Pb, and Zn; Sun & Davis, 2007). Another bioretention laboratory study using various types of soil media reported 90-99% Cd removal efficiencies (Wang et al., 2016). This study found that filtration was the primary removal mechanism, as much of accumulation occurred in the surface layer. Cd has a moderate affinity for suspended solids and is found in dissolved and colloidal state in urban stormwater runoff (Makepeace et al., 1995; Maniquiz-Redillas & Kim, 2016; Prestes et al., 2006). Bioretention media has a high cation exchange capacity, and Cd species present in stormwater runoff have high binding and sorption affinities (Loganathan et al., 2012; Muthanna et al., 2007). This means Cd readily binds to clay, silt, and organic matter particles within GI, facilitating its removal from runoff (Naidu et al., 1997).

Median Zn EMCs were reduced by 49.9% between the pre- and post-GI phases at Blenheim and by 40.7% in the post-Blueprint phase at Indian Springs (Table 20). Median Zn storm event loads decreased by 27.7% at Cooke-Glenmont and 32.5% at Indian Springs in the post-GI phase (and by 21.2% for the post-Blueprint phase at Indian Springs). Compared to these sewershed-scale results, studies of single bioretention cells and permeable pavements summarized in the

ISBMPD indicate median reductions in Zn EMCs of 75.9 and 75.6%, respectively (Clary & Jones, 2016). This disparity with single practices is likely due to the percent of the watershed treated. At Cooke-Glenmont and Indian Springs, only 30.1 and 23.1% of the sewershed, and 66.5 and 69.7% of the sewershed imperviousness, respectively, was treated by GI. Non-treated areas of the sewershed may act as a source of Zn, which is generated from galvanized roofs, gutters, plumbing, and automobile traffic (Brown & Peake, 2006; Müller et al., 2020; Singh et al., 2011). Other residential studies reported Zn EMC reductions (76-77%) if a larger percentage of the watershed was treated by GI (up to 91%; Page et al., 2015a; Bedan & Clausen 2009). Another plausible explanation for these results is the nature of Zn in urban runoff. While Zn can be particulate-bound, it is largely related to dissolved solids in stormwater (Makepeace et al., 1995). Compared with Pb and Cu, Zn has the lowest competitive metal sorption (Gülbaz et al., 2015; Jalali & Moradi, 2013). A combination of sewershed and Zn characteristics likely contributed to the lack of significance in Zn reductions between the project phases.

Median Cu EMCs at Cooke-Glenmont and Indian Springs were significantly decreased by 36.3% and 34.3% in the post-GI and post-Blueprint phases, respectively. Substantial, but non-significant decreases in median Cu EMC (34.9-37%) were also observed at Blenheim and Indian Springs in the post-GI phase. These values were all similar to the 38.0% and 35.8% reductions in median Cu EMCs reported in the ISBMPD for single bioretention cells and permeable pavement, respectively (Clary & Jones, 2016). Cu in stormwater runoff is preferentially bound to particulate matter to a greater extent than Cd and Cr, demonstrating a moderate (48%) affinity for TSS (Birch & Rochford, 2010; Prestes et al., 2006). Dissolved Cu in stormwater has been shown to have the highest competitive sorption among the heavy metals discussed herein (Jalali & Moradi, 2013). Other residential studies also credited high Cu reductions to both sorption and

sedimentation in GI (Page et al., 2015a; J. Wang et al., 2017). Meanwhile, other studies demonstrated 31-62% Cu EMC reductions with the installation of GI (H. Li & Davis, 2009; Page et al., 2015a). These reductions were comparable to the results presented herein, meaning GI is capable of treating Cu EMCs in large sewersheds (>10 ha). Given only 30.1% of Cooke-Glenmont was treated by GI, and that laboratory bioretention studies reported Cu EMC reductions in the range of 87-98% (Davis et al., 2001; Sun & Davis, 2007), excellent Cu removal occurred for the density of GI installed in this sewershed.

Median Cr EMCs of 1.9 and 1.7 μg/L, respectively, were observed in the Cooke-Glenmont sewershed during the Baseline and post-GI phases, respectively (Table 20). Likewise, median Cr EMCs of 2.5 and 1.9 μg/L were observed in the Indian Springs sewershed during the pre- and post-GI phases, respectively. These EMCs were all less than the median effluent Cr EMCs for bioretention (2.50 μg/L) and permeable pavement (4.28 μg/L) reported in the ISBMPD (Clary & Jones, 2016). This implies low concentrations of Cr originally existed at Cooke-Glenmont and Indian Springs, so further reductions through GI practices were not likely. Significant reductions occurred at Indian Springs post-Blueprint (54.7%) and Cooke-Glenmont post-GI (4.2%). Whereas a bioretention field study in Maryland demonstrated effective Cr load reductions through both runoff volume attenuation and concentration reductions (Li & Davis, 2009), only significant concentration reductions were observed in Clintonville.

Significant reductions in median Ni EMCs of 35.3 and 14.2% were observed at Cooke-Glenmont and Indian Springs, respectively, in the post-GI phase. Reductions in median Ni storm event loads were not significant in any of the treatment sewersheds. The ISBMPD also reported non-significant difference in Ni EMCs for bioretention, but a significant 52.4% reduction as runoff passed through permeable pavement (Clary & Jones, 2016). Given the difference between

the median Ni EMC in the post-GI phase at Indian Springs (2.70 µg/L) and the effluent Ni EMC reported by the ISBMPD based on studies of permeable pavements (1.76 µg/L), improved Ni performance in the sewershed may be possible. Like Zn, the observed treatment performance may be attributed to Ni characteristics. Studies have demonstrated that Ni has the lowest affinity for particulate binding compared to the other heavy metals presented herein (Birch & Rochford, 2010), so sedimentation was a less likely contributor to removal.

Annual Pollutant Loading

Annual pollutant load reductions for the monitored sewersheds between the project phases are shown in Table 21. Annual loads of nitrogen species at Blenheim, Cooke-Glenmont, and Indian Springs were reduced from 21-86%, 44-79%, and 59-74%, respectively, following the installation of GI (Table 21). Of all nitrogen species, TAN decreased the most in the Cooke-Glenmont sewershed (79%), where NO₂₋₃ decreased by the lowest amount (only 44%), which is likely attributable to nitrification occurring in the GI. The magnitude of annual load reductions decreased between the post-GI and post-Blueprint phases at Indian Springs, indicative of the increased volume of water routed to the GI in the post-Blueprint phase.

Table 21: Annual pollutant load (lb/ac/yr) for monitored sewersheds by project phase. Percent differences are relative to annual loads in the pre-GI phase in each sewershed.

-	phase in each sewershed.											
	Beechwold	Blenheim			Cooke-Glenmont			Indian Springs				
Pollutant	Control	Pre-GI	Post- GI	% Diff	Baseline	Post- GI	% Diff	Pre-GI	Post- GI	%Diff	Post- BP	%Diff
TAN	0.40	1.08	0.16	-86	1.98	0.41	-79	1.95	0.59	-70	1.71	-12
TKN	4.07	7.95	4.81	-40	18.3	7.71	-58	14.8	5.93	-60	10.2	-31
NO_{2-3}	3.85	11.63	4.24	-64	8.72	4.87	-44	22.22	5.79	-74	8.59	-61
OrgN	3.75	6.9	4.65	-33	17.88	7.53	-58	13.35	5.16	-61	8.48	-36
TN	6.28	11.49	9.13	-21	23.94	9.88	-59	21.37	8.7	-59	17.18	-20
OP	0.57	1.95	0.52	-73	1.23	1.04	-16	0.81	0.35	-57	0.41	-49
PBP	0.52	1.32	0.38	-72	3.71	0.85	-77	3.04	1.08	-65	0.74	-76
TP	0.66	1.51	0.78	-48	4.4	1.29	-71	3.12	0.88	-72	0.88	-72
TSS	418	795	257	-68	3360	412	-88	3723	192	-95	389	-90
Cd	3.48E-04	9.93E-04	3.58E-04	-64	2.43E-03	5.05E-04	-79	2.15E-03	2.14E-04	-90	6.48E-04	-70
Cr	1.28E-02	2.96E-02	2.32E-02	-22	2.39E-02	1.17E-02	-51	3.45E-02	1.21E-02	-65	1.45E-02	-58
Cu	3.24E-02	8.03E-02	4.39E-02	-45	2.07E-01	5.17E-02	-75	1.43E-01	4.42E-02	-69	9.27E-02	-35
Ni	9.21E-03	3.30E-02	2.22E-02	-33	9.48E-02	2.66E-02	-72	4.87E-02	1.86E-02	-62	2.65E-02	-46
Pb	2.38E-02	9.66E-02	2.94E-02	-70	1.47E-01	3.12E-02	-79	1.41E-01	1.52E-02	-89	3.32E-02	-76
Zn	0.16	0.36	0.18	-49	0.53	0.19	-64	0.69	0.24	-66	0.38	-44
Hardness	312	927	514	-45	1360	532	-61	1567	684	-56	1044	-33
Alkalinity	193	510	371	-27	830	344	-59	890	500	-44	636	-29

Unlike the increases in OP concentrations and loads observed at Cooke-Glenmont (Table 18), the annual OP load at Cooke-Glenmont decreased by 16% between the pre- and post-GI phases; however, this was the smallest reduction observed during the monitoring period (Table 21). Meanwhile, PBP annual loads decreased by 65-77% across the treated sewersheds, showing evidence of sedimentation and particulate removal associated with GI implementation. TP annual load decreased by 48, 71, and 72% at Blenheim, Cooke-Glenmont, and Indian Springs, respectively. Interestingly, no difference was observed in annual TP loads between the post-GI and post-Blueprint phases at Indian Springs. Annual loads of TSS were reduced by 68, 88, and 95% in the post-GI phase at Blenheim, Cooke-Glenmont, and Indian Springs, respectively, supporting the occurrence of particulate removal (i.e., TKN/OrgN and PBP) via filtration and sedimentation following the installation of GI in these sewersheds.

Reductions in annual loads of heavy metals ranged from 22-70% at Blenheim, 51-79% at Cooke-Glenmont, and 62-90% at Indian Springs (Table 21). Similar to storm event loads, Pb and Cd had the highest annual load reductions following the installation of GI.

Public Health Impacts

Overall

During the 2016-2020 monitoring period, 155 total water samples were tested for molecular analyses and E. coli concentrations from the four original sewersheds (i.e., Beechwold, Cooke-Glenmont, Blenheim, Indian Springs) and the control sewersheds (i.e., Starrett and Whetstone High School) added in 2019. E. coli concentrations were compared by project phase and year for all samples (n = 155) at the four original sewersheds, while MST, antibiotic resistance bacteria, and pathogenic bacteria results are presented based on analysis of samples collected in 2019 (n = 63) from all six sites due to time and equipment constraints

because of the ongoing COVID-19 pandemic. Of these 63 samples, six samples were taken as a dry weather samples, and were excluded from subsequent statistical analyses.

E. coli

E. coli presence in water is an indication of fecal pollution and the possibility of enteric pathogen contamination. The number of *E. coli* samples collected during each of the project phases from the original sewersheds during the 2016-2020 monitoring period is shown in Table 22. Summary statistics from samples collected from all six sewersheds in 2019 are presented in Table 23. The mean *E. coli* concentration from samples collected across all six sewersheds in 2019 was 7.8 × 10⁵ CFU/100 mL. *E. coli* concentrations for all samples were above the US EPA criteria for recreational water (126 CFU/100mL) at all sites in 2019. Boxplots illustrating the distribution of *E. coli* samples from the six sewersheds are presented in Figure 18, while plots of *E. coli* concentration by project phase and year for the original sewersheds along with summary statistics are shown in Figure 48 (Appendix D). Results of ANCOVA analyses revealed *E. coli* concentrations in the treatment sewersheds did not differ significantly by project phase (data not shown). This result was likely influenced by the small number of samples collected in many project phases (Table 22).

Table 22: Number of E. coli samples collected from the original sewersheds between 2016-2020.

Study site	Phase	Sample number
Beechwold	Control	54
Cooke-Glenmont	Baseline	5
	Post-GI	34
Blenheim-Glencoe	Pre-GSI	12
	Post-GSI	8
Indian Springs	Pre-GSI	6
	Post-GSI	10
	Post-Blueprint	26

Table 23: Concentrations of E. coli (log CFU/)	00 mL) and summary statistics for each site.
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Location	BW	CG	BG	IS	ST	WHS	Total
n	19	13	6	13	3	9	63
Site type	Control	GI	GI	GI	GI	Control	
Min	9.00×10^{3}	1.90×10^{3}	1.40×10^4	1.10×10^4	1.50×10^4	2.50×10^4	1.90×10^{3}
Max	3.50×10^{6}	1.32×10^{7}	1.39×10^{5}	6.71×10^6	2.22×10^{6}	4.34×10^{6}	1.32×10^{7}
Range	3.94×10^{6}	1.32×10^{7}	1.25×10^{5}	6.70×10^{6}	2.21×10^{6}	4.32×10^{6}	1.32×10^{7}
Mean	4.46×10^{5}	1.51×10^{6}	4.89×10^{4}	8.94×10^{5}	1.12×10^{6}	6.49×10^{5}	7.80×10^{5}
St. Dev.	8.99×10^{5}	3.82×10^{6}	5.31×10^4	2.05×10^{6}	1.56×10^{6}	1.50×10^{6}	2.11×10^6

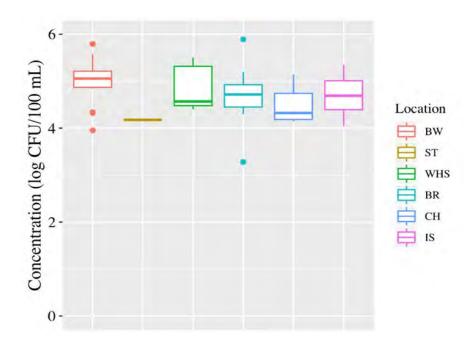


Figure 18: Mean concentration of E. coli (log10 CFU/100 mL) for each location in 2019.

Spearman's correlation tests were performed to identify potential differences in *E. coli* concentrations by site, between seasons, and between treatment and control sewersheds. However, results indicated that *E. coli* concentrations did not significantly differ between the monitored sewersheds or between seasons (seasonal differences from samples collected in 2019 are shown in Figure 19). Further tests revealed no significant differences between the treatment and control sewersheds (data not shown).

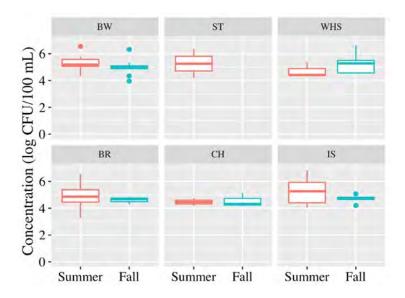


Figure 19: Mean concentration of E. coli (log10 CFU/100 mL) for each location by season in 2019.

MST and Antibiotic Resistance Gene Prevalence

To determine the potential public health impacts of stormwater discharged from the sewersheds, MST was performed to identify major sources of fecal contamination (e.g., human, dog, ruminants) as well as the quantification of antibiotic resistance genes (e.g., KPC, Tetracycline). Due to the COVID-19 pandemic and limitations in acquiring appropriate reagents and materials in time, bird-specific fecal contamination (e.g., geese) and sulfonamide antibiotic resistance quantifications were not completed.

The MST results demonstrate that various levels of fecal contamination from different sources are prevalent at each site (Table 24, Figure 20). Overall, fecal contamination is highly prevalent at each site, correlating appropriately with the previous $E.\ coli$ results. Universal fecal bacteria concentrations on average are the highest represented source of fecal contamination, with the level of $\sim 10^5$ gene copies/100 mL. The highest concentration was observed at the control site Whetstone High School, although all sites exhibited high concentrations. Human fecal contamination was also high, with a mean of $\sim 10^4$ gene copies/100 mL across all sites. Mean canine-specific fecal bacteria concentrations were $\sim 10^3$ gene copies/100 mL. Interestingly,

the average ruminant-specific fecal bacteria concentration was $\sim 10^2$ gene copies/100 mL, but two of the six sites (one treatment and one control sewershed) showed no ruminant-specific fecal contamination. Starrett had the lowest concentrations for each of these MST markers compared to all other monitoring sites. However, this may reflect the low number of samples taken (n=3) throughout the year compared to the other sites. On average, Whetstone High School had the highest concentrations of fecal contamination. MST results indicate that all sites have high fecal contamination with major sources including humans and canines.

Table 24: Summary of average MST marker concentrations (gene copies (GC)/100 mL) at each site.

GC/100mL	BW	CG	BG	IS	ST	WHS	Overall
Universal	2.64×10^{5}	5.37×10^{5}	2.04×10^{5}	4.06×10^{5}	1.61×10^{5}	2.62×10^{6}	6.76×10^{5}
Human	4.62×10^{3}	7.67×10^{2}	3.88×10^{3}	6.38×10^{3}	1.00×10^{2}	6.70×10^4	1.27×10^4
Ruminant	4.26×10^{1}	5.31×10^{2}	0.65×10^{0}	0.00×10^{0}	0.00×10^{0}	5.44×10^{1}	1.33×10^{2}
Canine	5.43×10^{3}	6.44×10^{3}	7.17×10^{3}	1.19×10^{3}	6.33×10^{2}	8.37×10^{3}	5.12×10^{3}

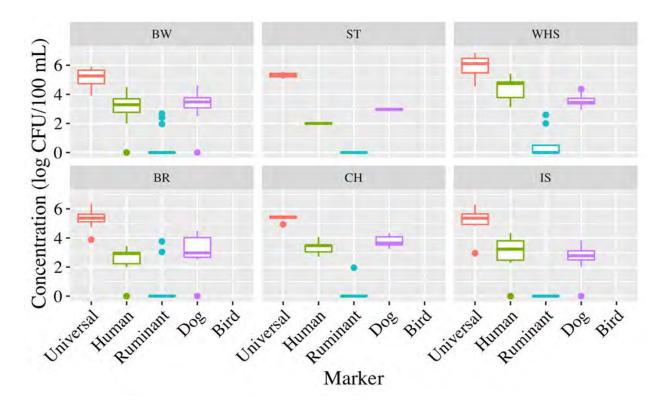


Figure 20: Comparison of concentrations of five MST markers (log10 CFU/100 mL) for each sewershed outfall in 2019.

Statistically significant results were identified during non-parametric correlation tests. The human-specific fecal bacteria marker exhibited the most prominent correlations, with statistical significance shown when individual sites were compared, as well as control vs. GI sites (p<0.05). When a pairwise t-test was used to compare each individual site, the most significantly different sites were Whetstone High School and Cooke-Glenmont. However, Whetstone High School seemed to differ from all other sites. Cooke-Glenmont and Blenheim-Glencoe displayed the most seasonal differences in human fecal contamination (p<0.05). For all other markers and seasonal comparisons, no significance was observed.

Major sources of fecal contamination found at all sites were from human and canine sources. Human fecal contamination is the most significantly correlated across the sites, and when comparing treatment versus control sites. Ruminant (e.g., deer) fecal contamination was the

lowest among the MST marker concentrations (Figure 21). Excluding human fecal markers, the control site marker concentrations were not significantly different to the treatment sites. Due to the high prevalence of fecal contamination at almost all sites (based on all fecal markers), it was concluded that there is the possible presence of enteric pathogens in the stormwater and downstream water bodies, a finding also supported by analyses in previous annual reports.

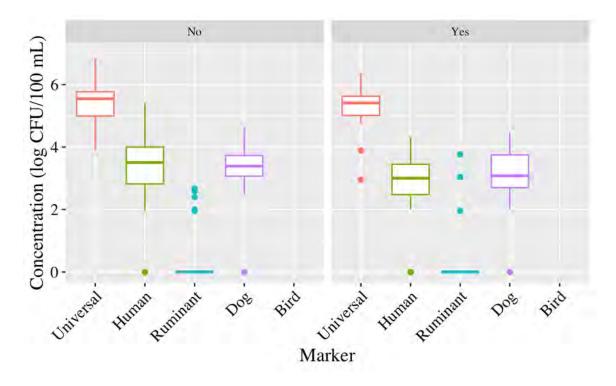


Figure 21: Summary of mean concentrations of five host-specific fecal bacteria markers (log10 CFU/100 mL) between sites with ("Yes") and without ("No") GI in 2019.

The mean concentrations of the antibiotic resistance genes KPC and TetQ were 2.26×10^1 and 2.16×10^3 gene copies/100 mL, respectively (Table 25; Figure 22). Due to the COVID-19 pandemic and limited ability to order and delay in receiving supplies, *sul*1 was not quantified. All sites showed positive presence for each of the tested antibiotic resistance genes.

Table 25: Summary of average antibiotic resistance (gene copies (GC)/100 mL) from each site.

GC/100 mL	\mathbf{BW}	CG	BG	IS	ST	WHS	Overall
KPC	8.75×10^{0}	3.55×10^{1}	2.80×10^{1}	1.39×10^{1}	5.25×10^{0}	4.81×10^{1}	2.26×10^{1}
Sulfonamide	-	-	-	-	-	-	-
Tetracycline	3.26×10^{2}	1.52×10^{3}	2.93×10^{2}	3.94×10^{3}	1.68×10^{1}	6.29×10^{3}	2.16×10^{3}

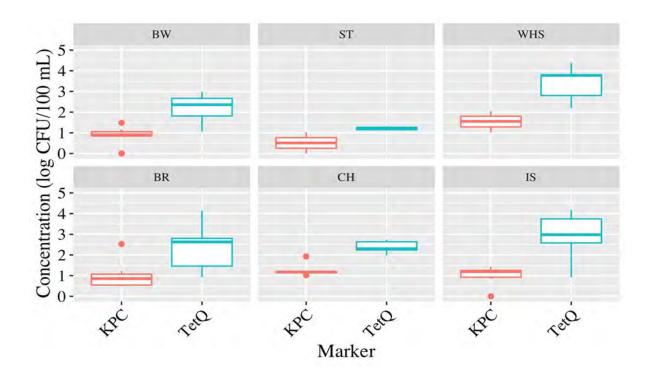


Figure 22: Summary of mean concentration of two antibiotic resistance genes (log10 CFU/100 mL) for each location in 2019.

The concentration of both genes exhibited highly significant correlations between monitoring locations (p<0.005). Interestingly, when pairwise t-tests were conducted, the most significantly different groups were the two control sites, Beechwold and Whetstone High School. Beechwold was the only sewershed that showed significant differences in antibiotic resistance genes across seasons (p<0.05). No significant differences were found when comparing control versus treatment sites.

Following previous assessments, antibiotic resistance genes were present at all sites (Figure 23). Tetracycline concentrations were higher than KPC across each site over all seasons.

Antibiotic resistance gene concentrations at control and treatment sites were similar.

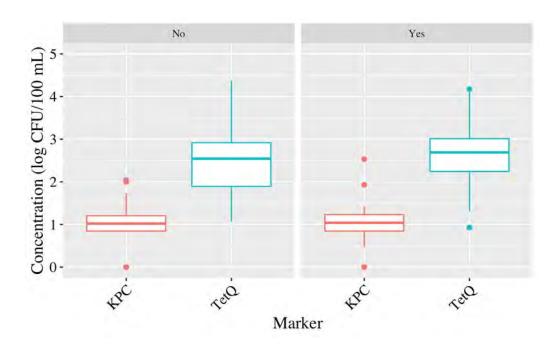


Figure 23: Comparison of mean concentrations of two antibiotic resistance genes (log10 CFU/100 mL) between with ("Yes") and without ("No") green infrastructure implementation in 2019.

Conclusions

This report details holistic hydrologic and water quality monitoring activities undertaken by Ohio State University to quantify and compare the effects of installing green infrastructure in the Clintonville neighborhood of Columbus, Ohio, over the 2016-2020 period. This final report represents interim findings for the research as a whole, which will not be fully completed until 2022. The four pillars of Blueprint were online for sufficient time to evaluate their collective impact in only the Indian Springs sewershed; this will be undertaken in future reports for the remaining treatment sewersheds.

The following conclusions were drawn from data collected from 2016-2020:

(1) Runoff generation patterns remained similar in the monitored sewersheds before and after the installation of GI. Runoff depths during the post-Blueprint phase were significantly decreased by 3% in the Indian Springs sewershed compared to the control, Beechwold. Runoff thresholds, or the rainfall depth at which incipient runoff is generated, increased by 0.01 inch in the Blenheim and Cooke-Glenmont sewersheds (to 0.07 in from 0.06 in) in the post-GI phase and by 0.07 (to 0.11 in) in the Indian Springs sewershed in the post-Blueprint phase. Changes in runoff coefficients, the quotient of runoff depth to rainfall depth, were mixed following the installation of GI; the wettest year on record in Columbus (2018), which occurred during the monitoring period following the construction of GI, as well as the completion of other pillars of the Blueprint Columbus project (i.e., lateral lining, downspout disconnection, and sump pump installation), which introduced additional water into the Indian Springs sewershed, likely influenced these results. Area-normalized peak runoff flow rates were significantly reduced following the installation of GI in the Cooke-Glenmont (53%) and Blenheim (85%) sewersheds. Peak

- flow reductions at Indian Springs were not statistically different from the control; this result was attributed to the high amount of directly connected impervious area in the Indian Springs sewershed compared to the other treatment sewersheds.
- (2) A total of 33 simulated storm tests were completed on a variety of BRCs in three Blueprint project areas in the Clintonville neighborhood. Results indicate a difference in hydrological function depending on bioretention design; mean volume reductions were 35% higher in bump-out-style practices compared to systems installed in the right-of-way. Results were attributed to subsurface infrastructure (e.g., sanitary and storm sewer lines) underlying bump-out bioretention cells, which may have provided preferential pathways for flow to bypass underdrains. Peak flow rate reductions and lag-to-peaks were similar across all tests, attributed to the consistent hydrograph produced by gravity-fed inflow from the water tank used in testing.
- (3) Eighty-three to 135 storm events were sampled for water quality in each sewershed.

 Though statistical significance varied between sewersheds and pollutants, significant increases in pollutants exported from the treatment sewersheds following the installation of GI were never observed. Reductions in OP concentrations and loads were limited to Indian Springs, attributed to the permeable pavement installed in the sewershed.

 Reductions in TSS and Cd concentration were similar (within a margin of 5%) to the percent of the sewershed imperviousness treated by GI. Significant concentration reductions were observed for most heavy metals at Cooke-Glenmont and Indian Springs; however, heavy metal storm event loads never significantly decreased. This is likely due to data size, and significant reductions in heavy metal storm event loads are expected in future reports. There are clear annual load reductions for almost all water quality

- parameters. These results demonstrate the pollutant removal effectiveness of the GI installed in these areas compared to the control sewershed.
- (4) The mean E. coli concentrations for the monitored sewersheds ranged from a minimum of 4.89x10⁴ CFU/100mL (Blenheim-Glencoe) to 1.51 x10⁶ CFU/100mL (Cooke-Glenmont) in 2019. E. coli concentrations at all sites exceeded US EPA criteria for recreational waters (126 CFU/mL) for all samples collected in 2019. Further, E. coli concentrations discharged from the sewersheds did not significantly vary by season or sewershed, nor were they affected by the presence (or absence) of green infrastructure. Human and canine sources were identified by microbial source tracking (MST) as major sources of fecal contamination in all six sewersheds monitored in 2019. However, excluding human fecal markers, marker concentrations did not significantly differ between control and treatment sewersheds. Findings in 2019 support the conclusion of previous annual reports that there is possible presence of enteric pathogens in both stormwater and downstream waters. Antibiotic resistance genes were present in samples collected from all six sewersheds in 2019. Concentrations of tetracycline resistant gene were higher than carbapenem resistant gene at all sites, a trend that did not exhibit seasonal variation. Antibiotic resistance gene concentrations were not significantly different in sewersheds where green infrastructure was installed compared to control (i.e., no GI) sewersheds.

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Appendix A: Green Infrastructure Retrofits in the Clintonville Neighborhood



Figure 24. Locations of bioretention (green) and permeable pavement (orange) retrofits planned for the Clintonville neighborhood. The areas of Clintonville being monitored are outlined in blue (control sewershed) and white (green infrastructure retrofits).

Appendix B: GIS Analysis to Identify Different Impervious Surface Types in Each Sewershed



Figure 25. Map showing impervious surface types in the Beechwold sewershed. Pervious areas in the sewershed are not highlighted with color.



Figure 26. Map showing impervious surface types in the Indian Springs sewershed. Pervious areas in the sewershed are not highlighted with color.



Figure 27. Map showing impervious surface types in the Cooke-Glenmont sewershed. Pervious areas in the sewershed are not highlighted with color.

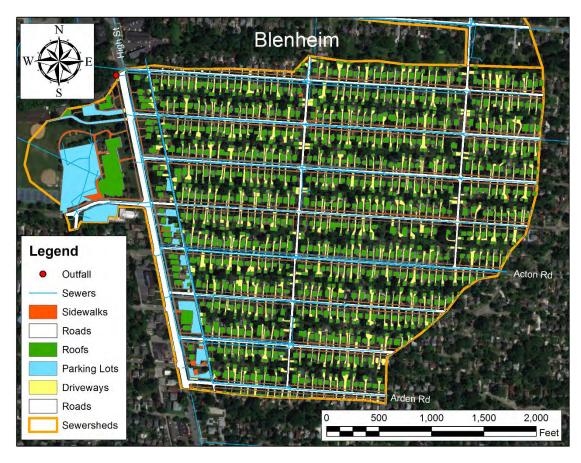


Figure 28. Map showing impervious surface types in the Blenheim sewershed. Pervious areas in the sewershed are not highlighted with color.

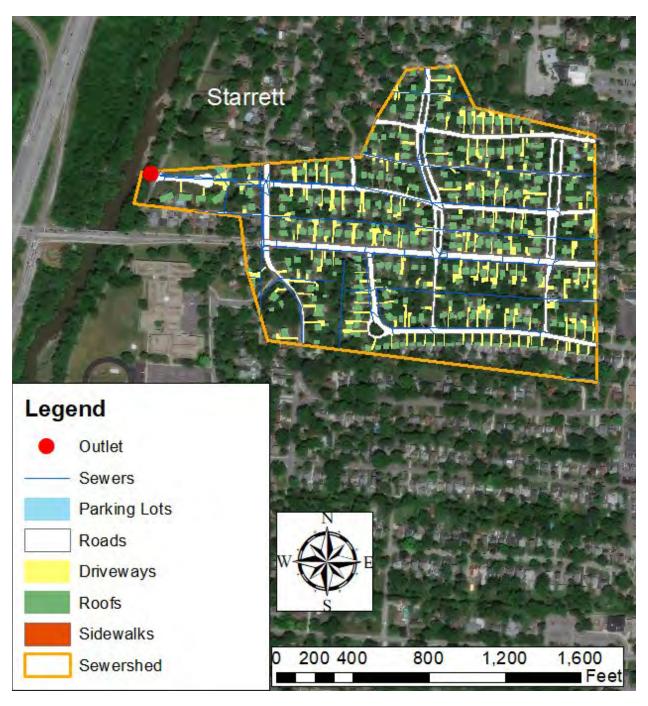


Figure 29. Map showing impervious surface types in the Starrett sewershed. Pervious areas in the sewershed are not highlighted with color.

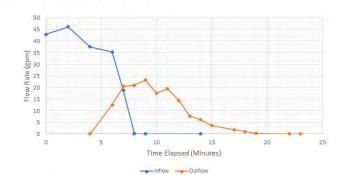


Figure 30. Map showing impervious surface types in the Whetstone sewershed. Pervious areas in the sewershed are not highlighted with color.

Appendix C: Results of Simulated Storm Testing

94 E. Schreyer Pl. / Corner of Schreyer and Shields

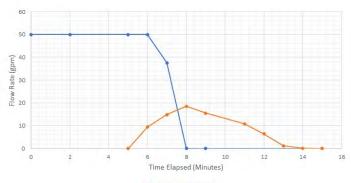




Testing Date	Volume Red. (%)	Peak Flow Red (%)	Lag Time (min)	ADP (days)
7/24/2018	44	73	7	3
10/30/2018	34	60	13	2
8/15/2019	46	62	6	2
8/20/2020	34	50	6	5
9/30/2020	45	53	6	2

144 E. Schreyer Pl.

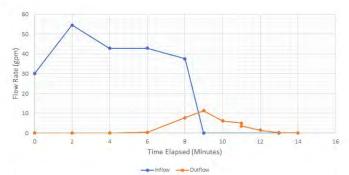




Testing Date	Volume Red. (%)	Peak Flow Red (%)	Lag Time (min)	ADP (days)
8/20/2020	34	50	6	5
9/30/2020	45	53	6	2

270 Village Dr

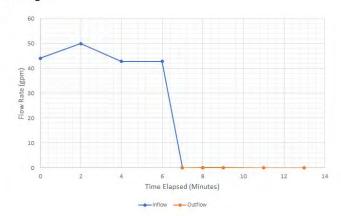




Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
5/8/2019	90	73	10	4
8/15/2019	70	73	6	2
8/20/2020	86	77	6	5
9/30/2020	85	74	7	2

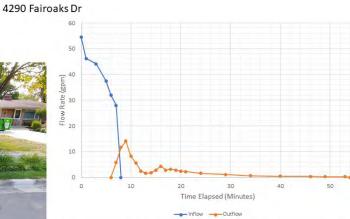
240 Village Dr





Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
8/20/2020	99	100	5	5
9/30/2020	99	100	8	2



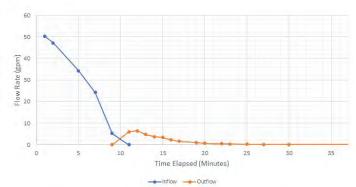


Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
5/8/2019	16*	72	9	0
10/24/2019	47	86	13	3
8/20/2020	52	74	7	5
9/30/2020	11	79	7	2

*Note: Test was performed approximately 1-hr after a previous test, which was halted when it was discovered a blockage in the underdrain that was subsequently removed.

4287 Colerain Ave

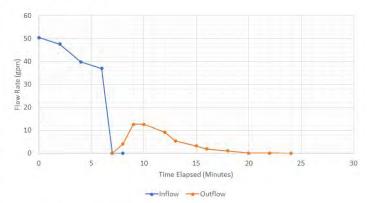




Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
5/8/2019	65	68	11	4
10/24/2019	65	87	9	3
8/20/2020	99	99	14	5
9/30/2020	88	93	11	2

Across from 4268 Colerain Ave

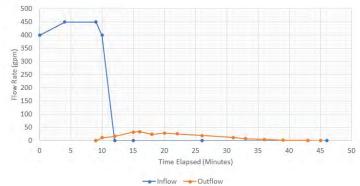




Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
8/20/2020	57	69	6	5
9/30/2020	62	75	7	2

45 Glenmont Ave

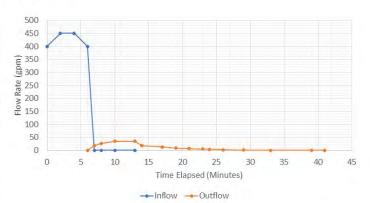




Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
9/24/2020	84	92	8	9
10/15/2020	88	95	9	3
11/5/2020	85	93	10	8

107 Glenmont Ave

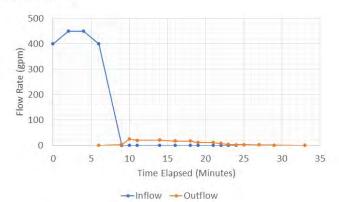




Test Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
9/24/2020	81.7	94.7	3	9
10/15/2020	72.8	92.3	6	3
11/5/2020	73.5	86.5	6	8

192 Glenmont Ave





Testing Date	Volume Red. (%)	Peak Flow Red. (%)	Lag Time (min)	ADP (days)
9/24/2020	81.7	94.7	3	9
10/15/2020	72.8	92.3	6	3
11/5/2020	73.5	86.5	6	8

Appendix D: Graphical and Tabular Analysis of Pollutant Concentration and Load

Note: Table 2 in each of the following figures contains interpretations comparing project phase (pre- versus post-GSI or pre-GI versus post-Blueprint)) are a result of ANCOVA analysis, interpretations comparing sewersheds (Treatment versus Control) are a result of paired t-test analysis for the post-GSI phase, and "-" indicate too few data to produce the adequate linear relationship required for analysis.

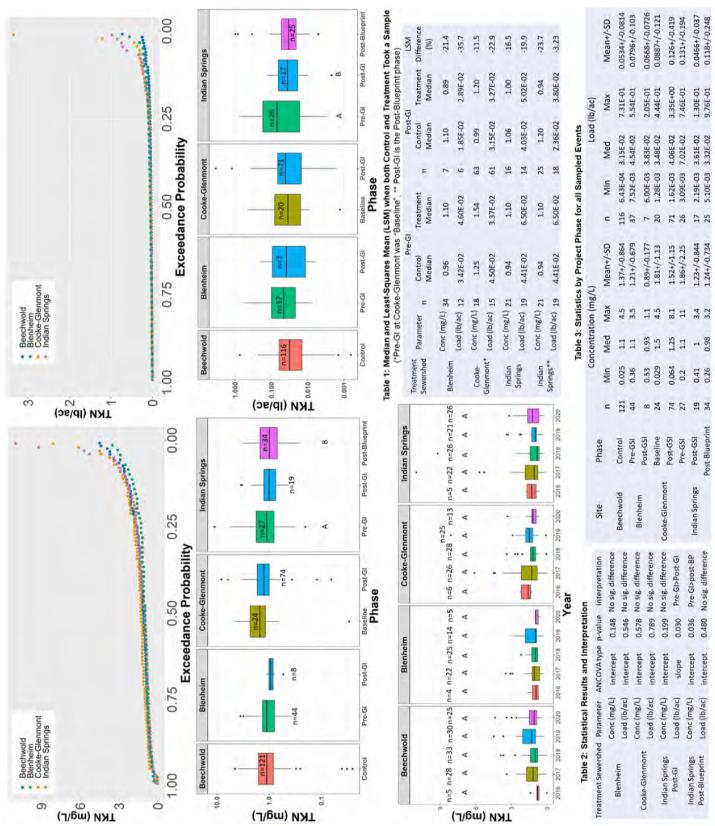


Figure 31. Summary statistics of TKN in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

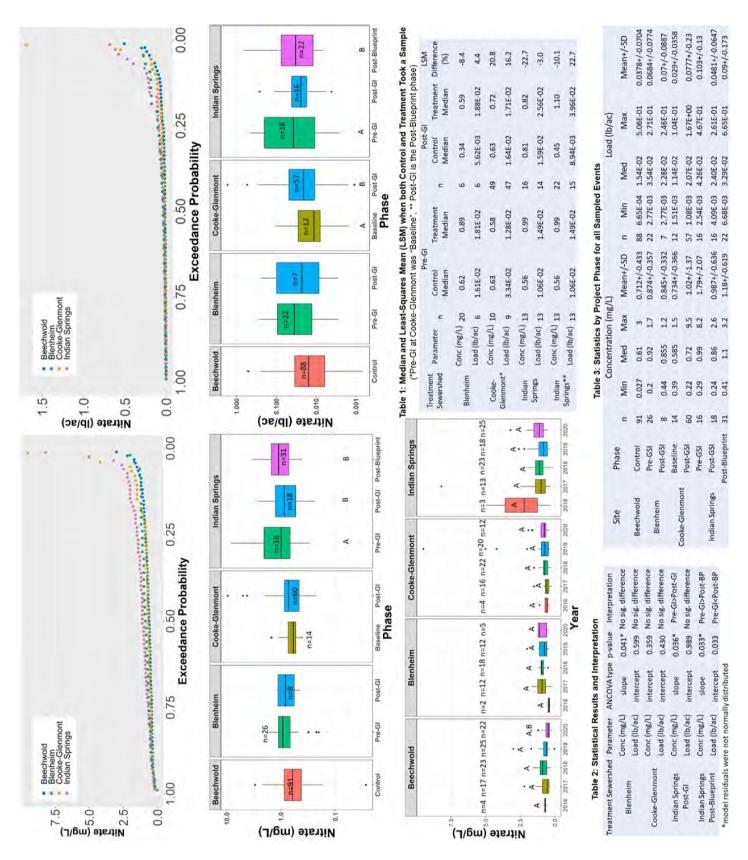


Figure 32. Summary statistics of Nitrate in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

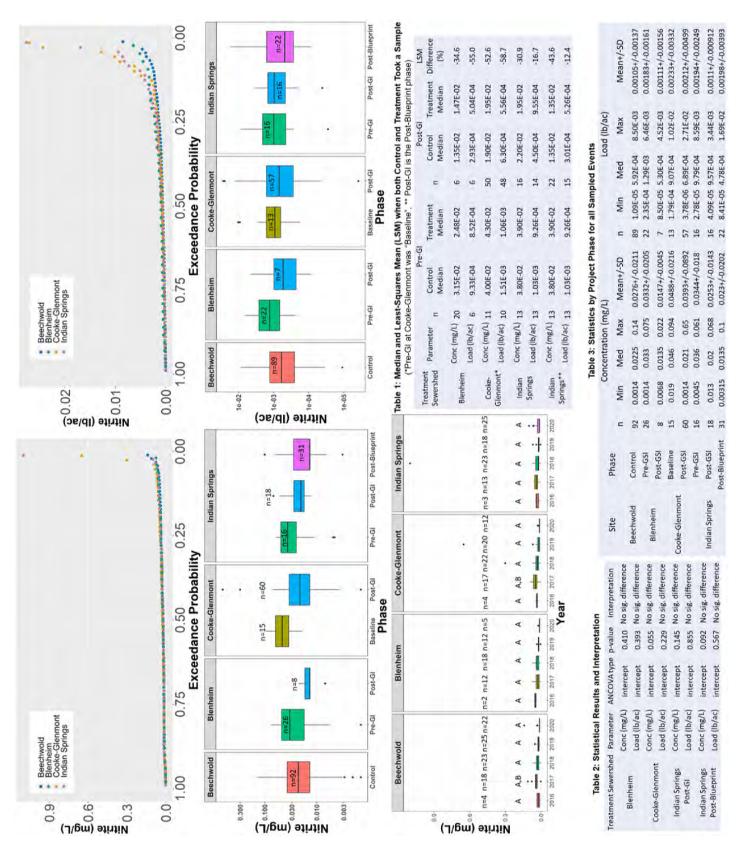


Figure 33. Summary statistics of Nitrite in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

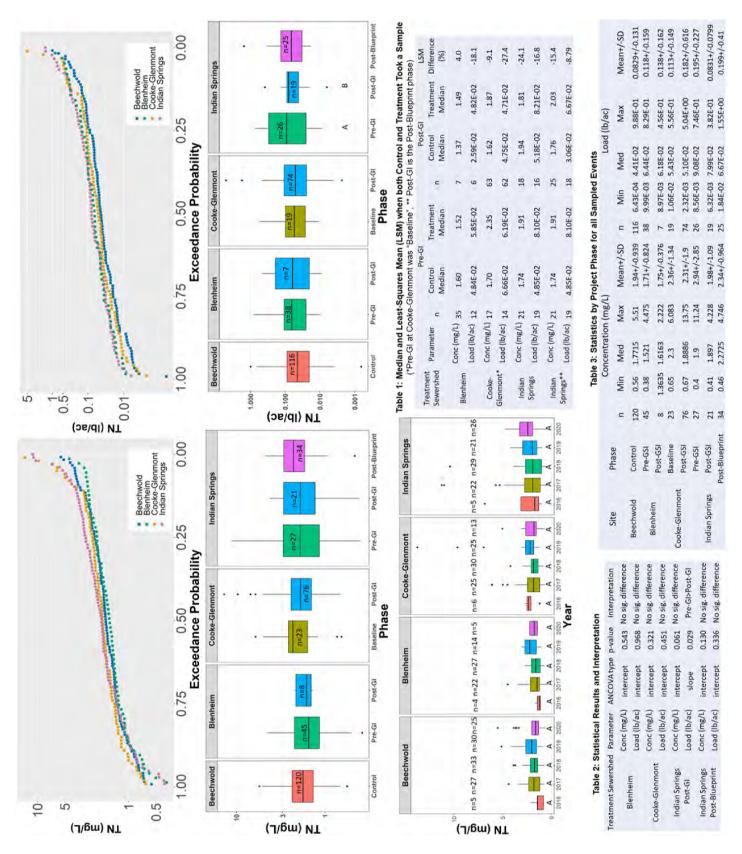


Figure 34. Summary statistics of TN in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

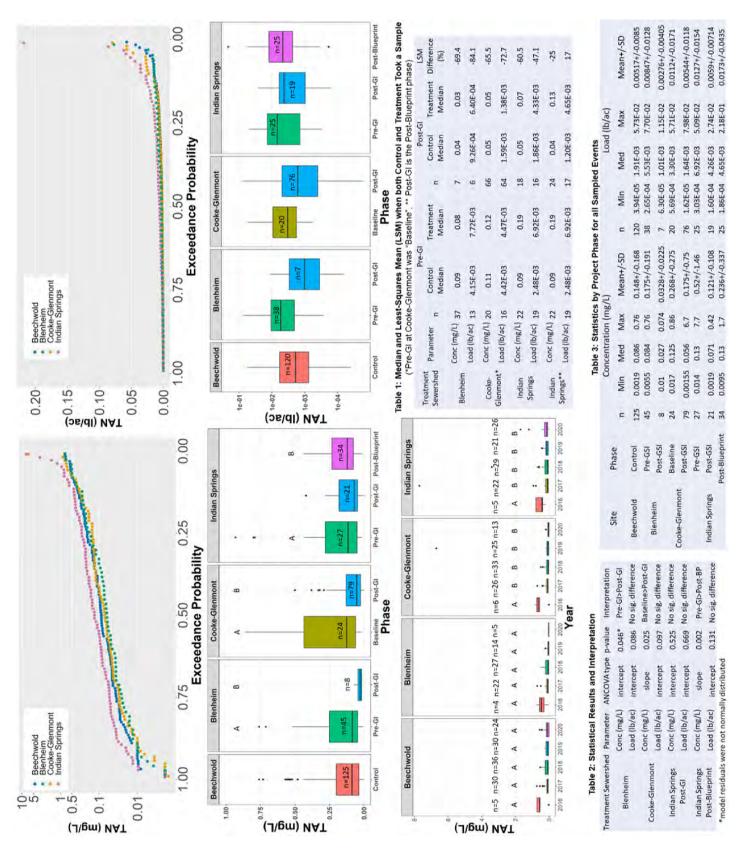


Figure 35. Summary statistics of TAN in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

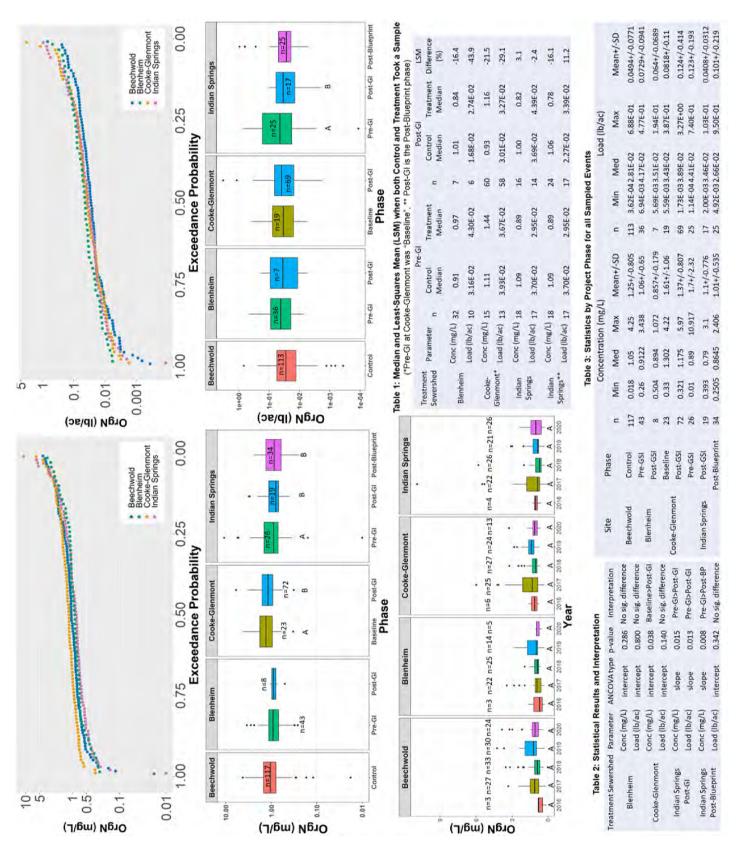


Figure 36. Summary statistics of OrgN in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

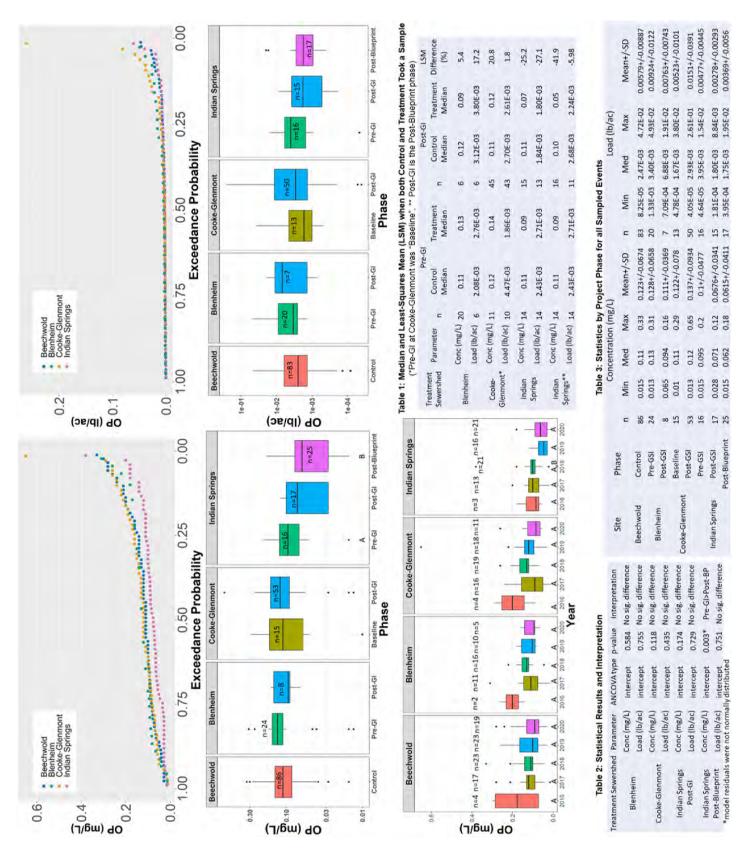


Figure 37. Summary statistics of OP in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

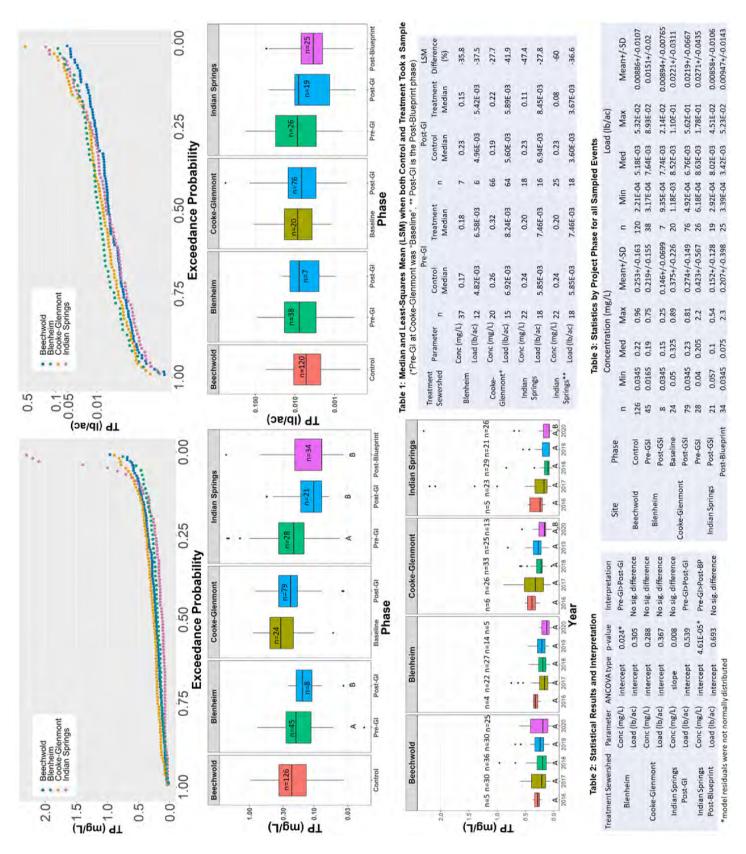


Figure 38. Summary statistics of TP in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

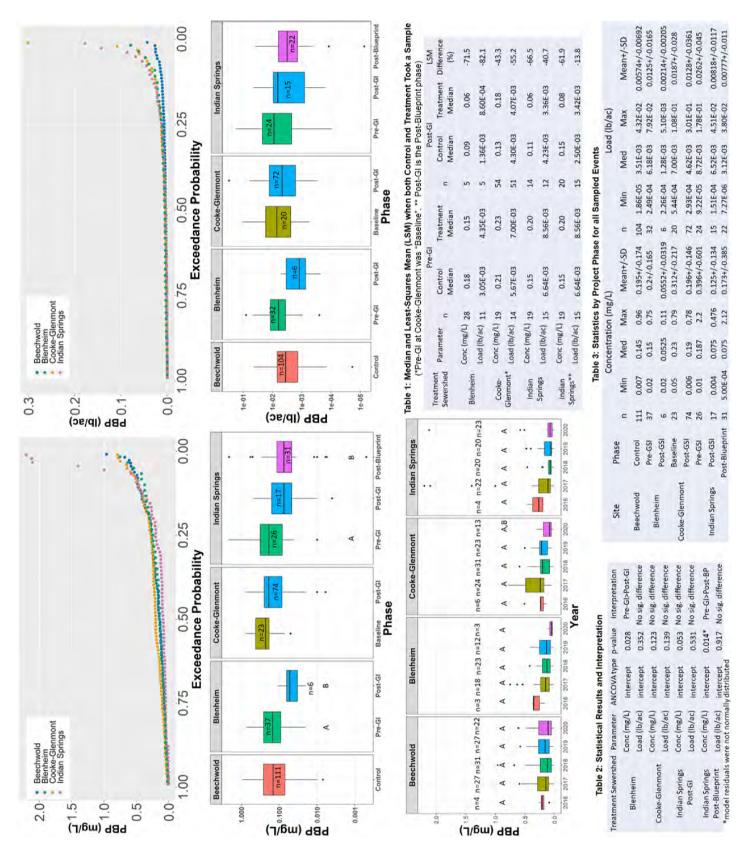


Figure 39. Summary statistics of PBP in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

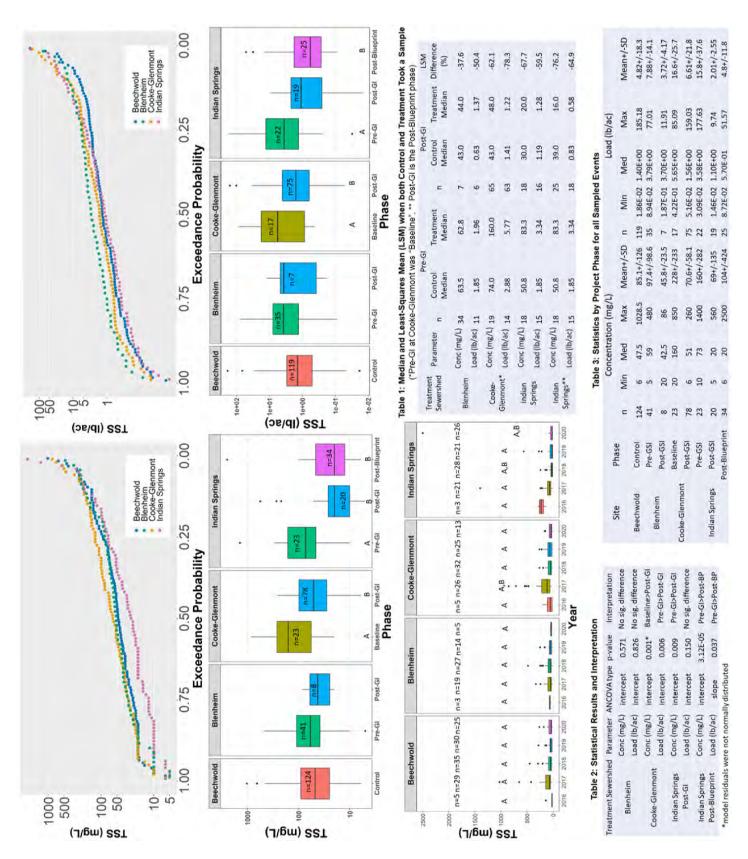


Figure 40. Summary statistics of TSS in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

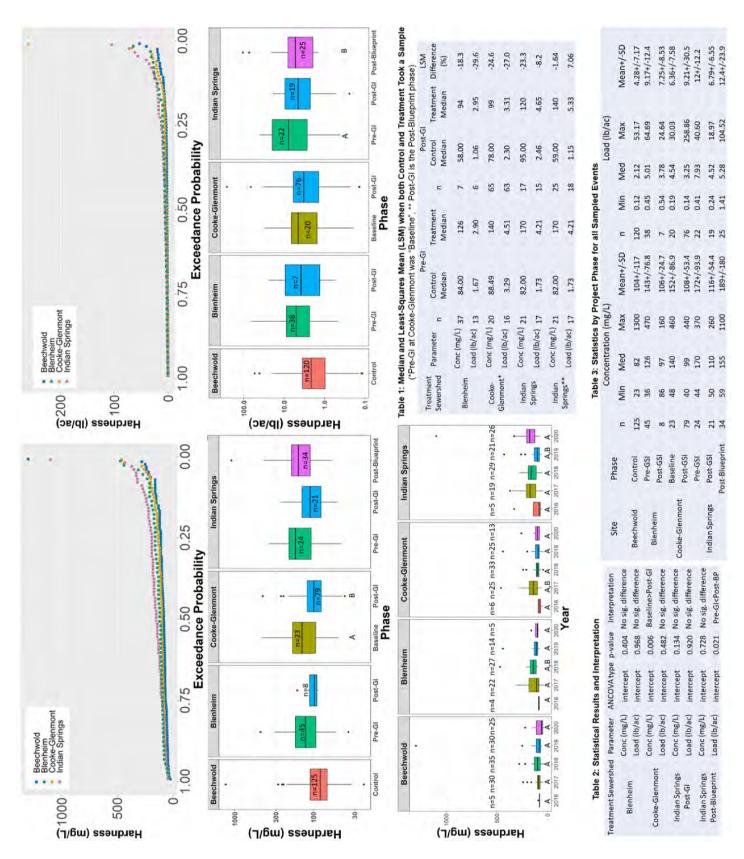


Figure 41. Summary statistics of Hardness in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (*p*<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at *p*<0.1.

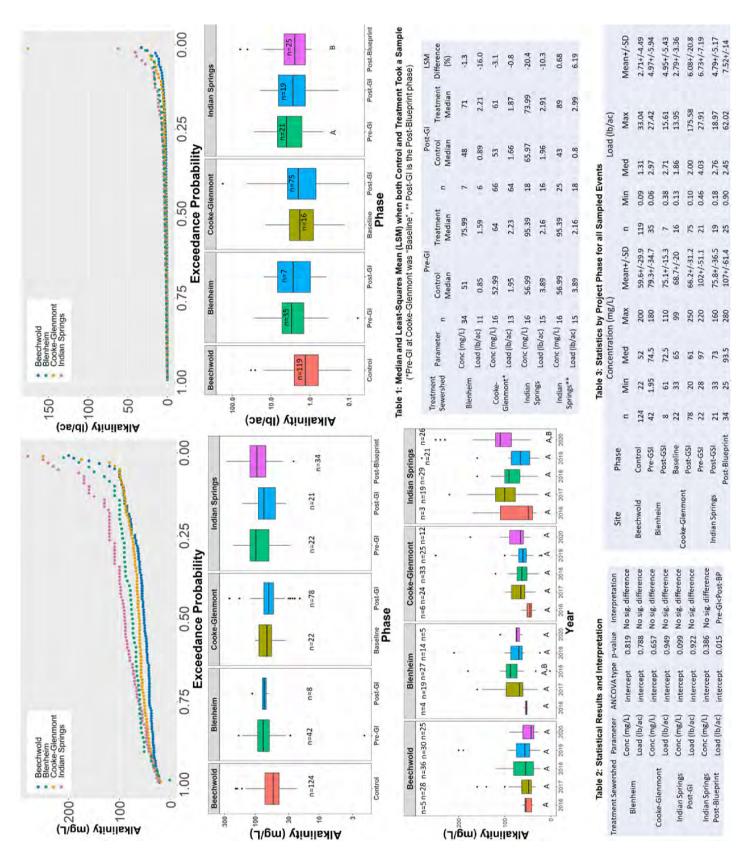


Figure 42. Summary statistics of Alkalinity in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (*p*<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at *p*<0.1.

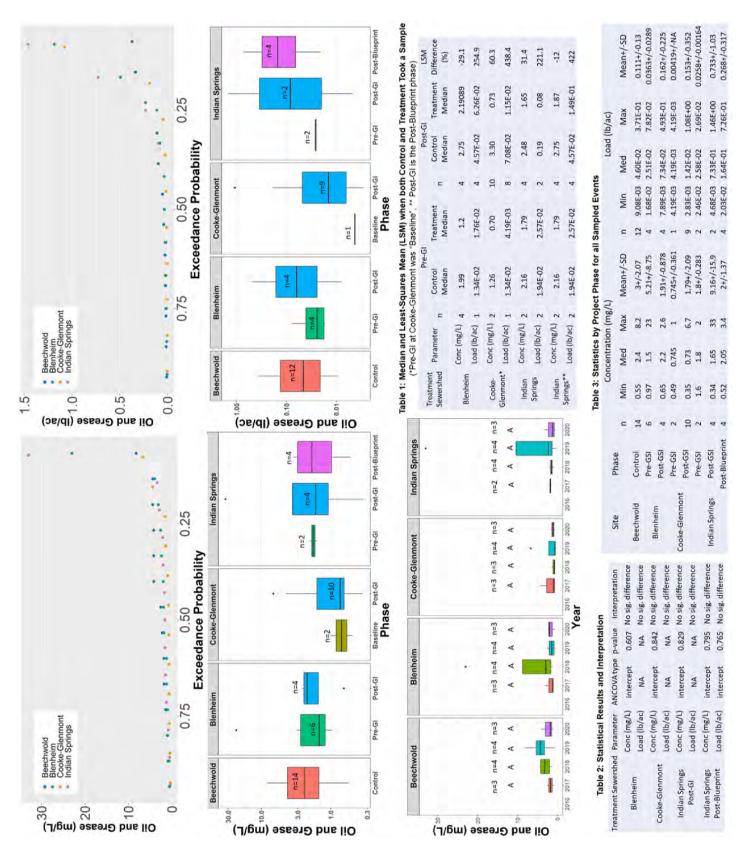


Figure 43. Summary statistics of Oil and Grease in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

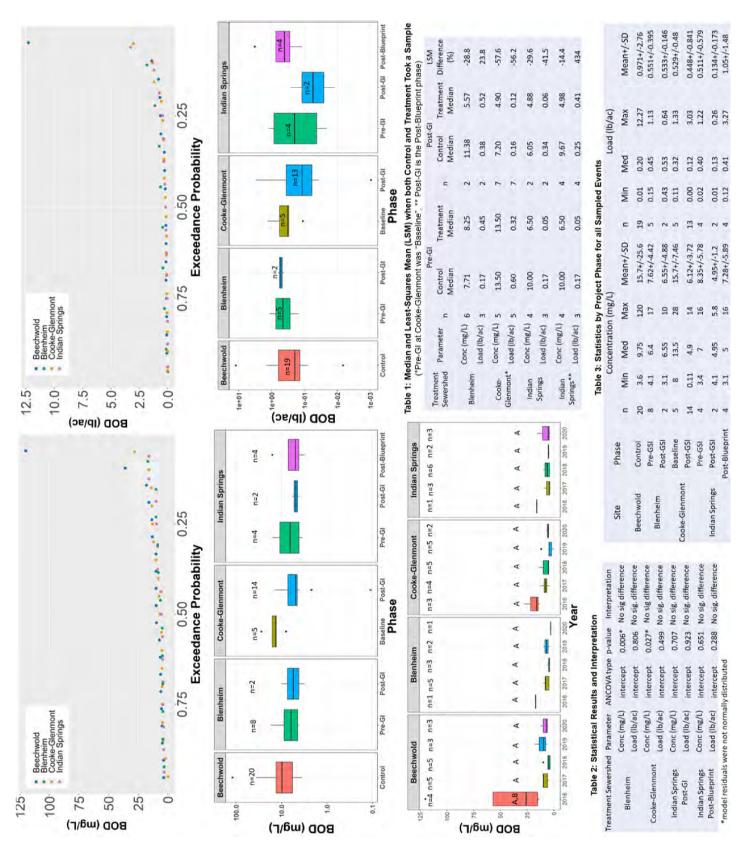


Figure 44. Summary statistics of BOD in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

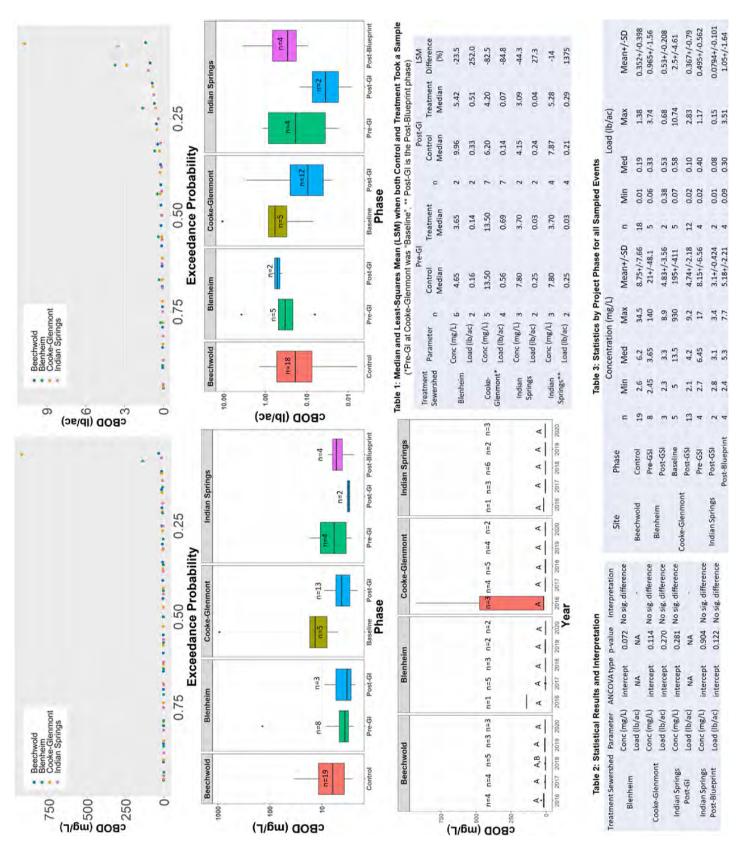


Figure 45. Summary statistics of cBOD in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

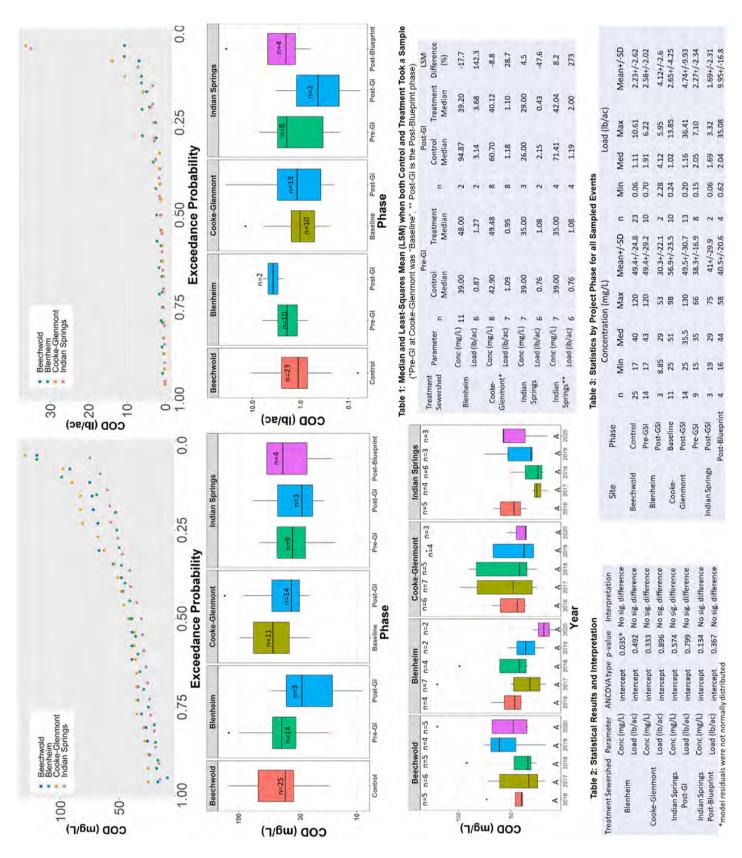


Figure 46. Summary statistics of COD in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

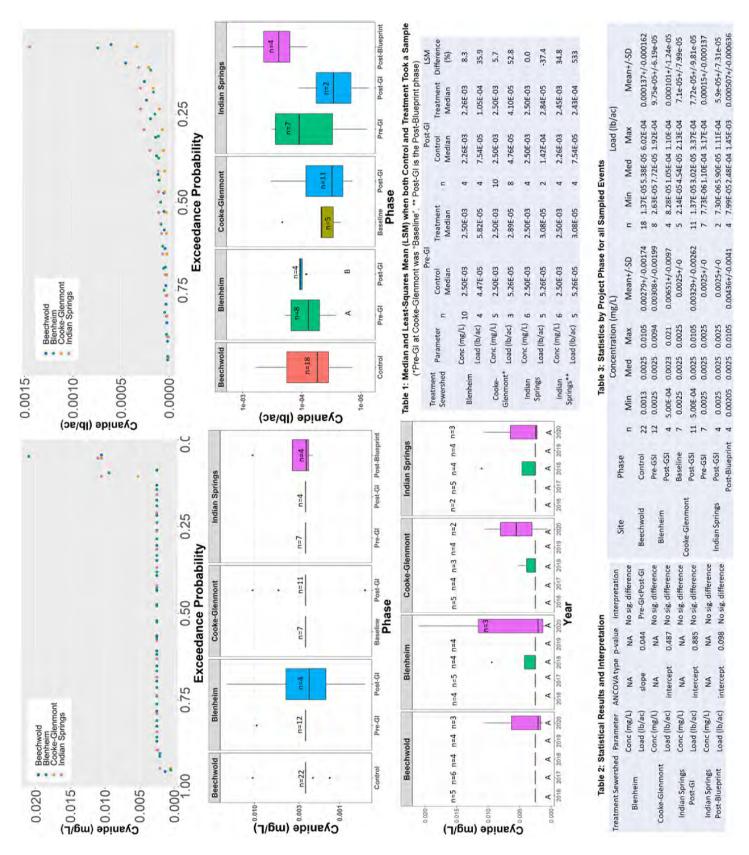


Figure 47. Summary statistics of Cyanide in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

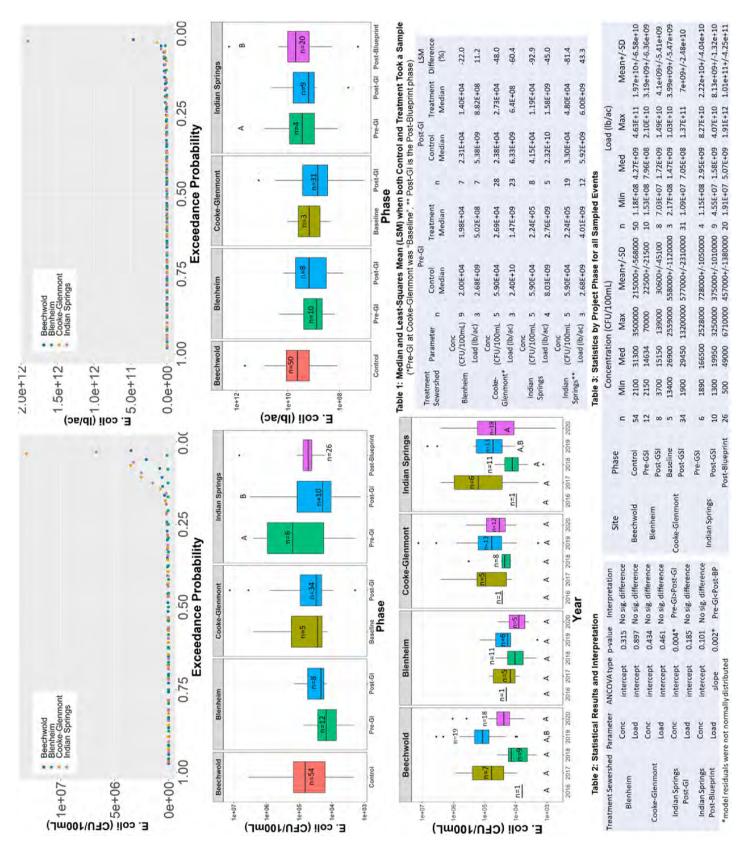


Figure 48. Summary statistics of *E. coli* in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

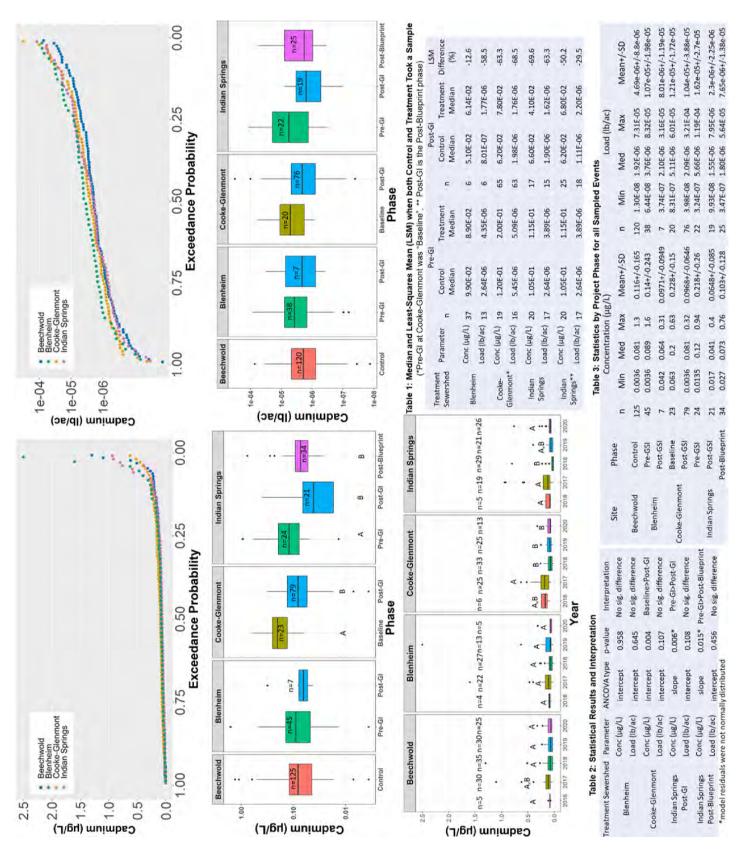


Figure 49. Summary statistics of Cadmium in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (*p*<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at *p*<0.1.

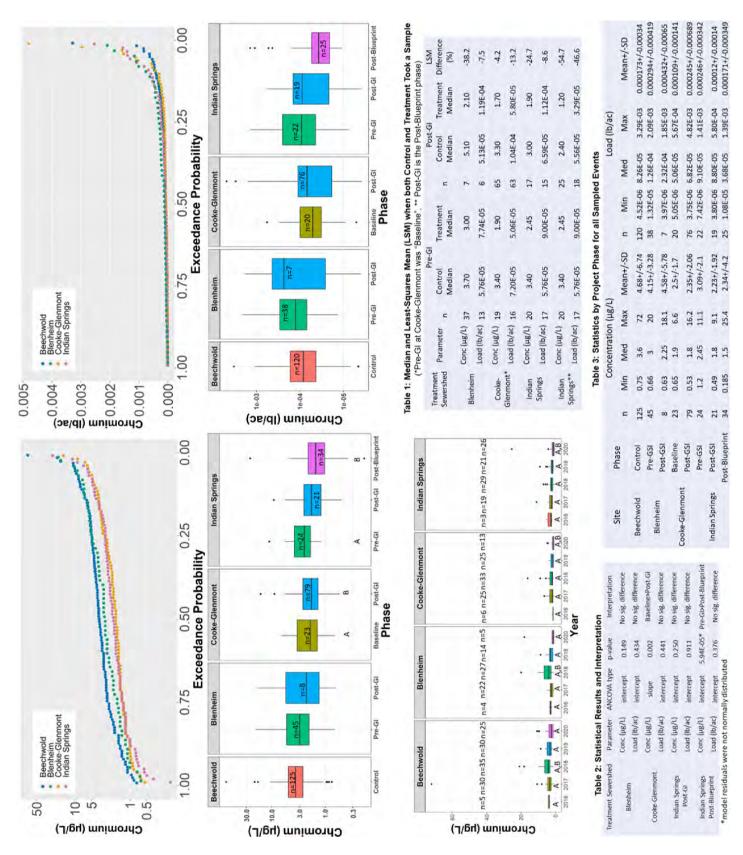


Figure 50. Summary statistics of Chromium in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

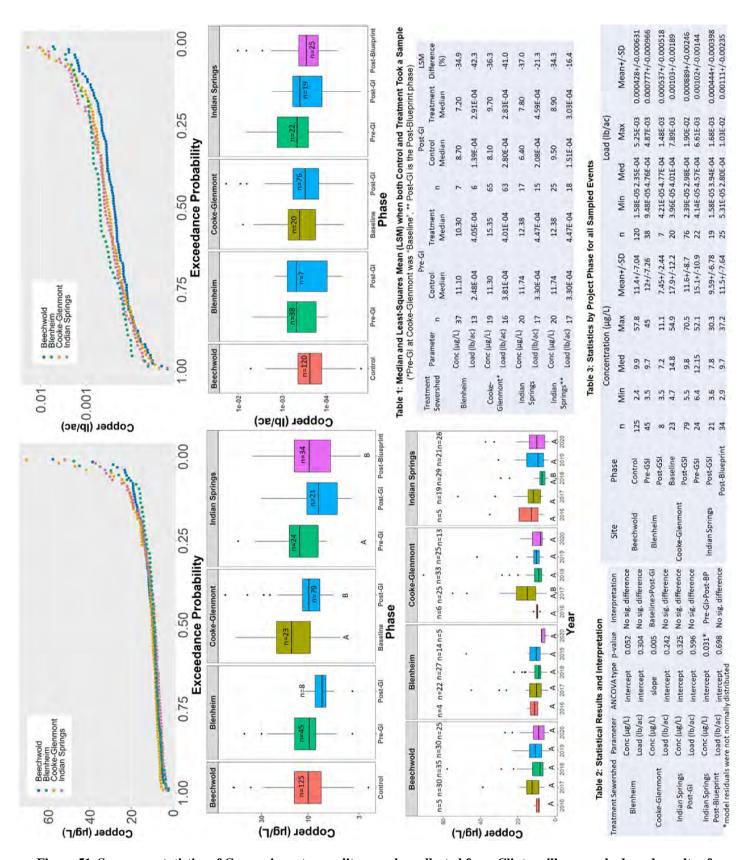


Figure 51. Summary statistics of Copper in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

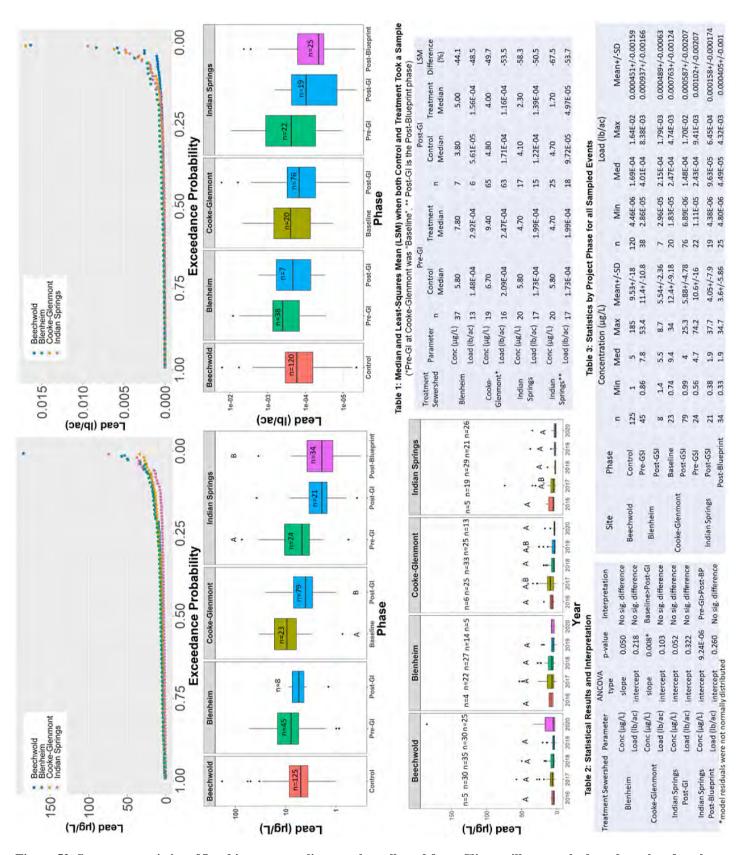


Figure 52. Summary statistics of Lead in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

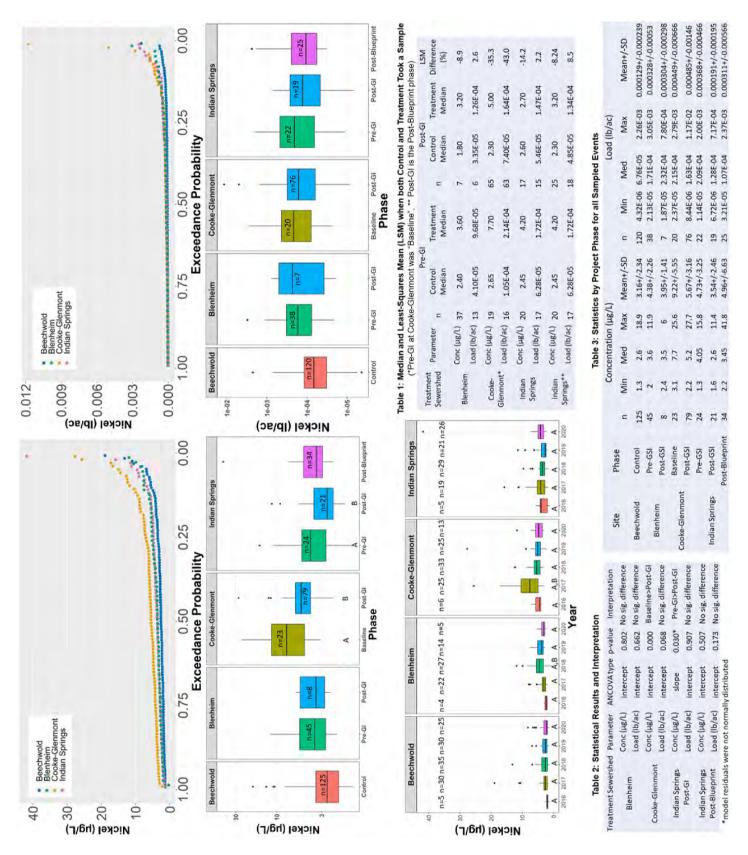


Figure 53. Summary statistics of Nickel in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1.

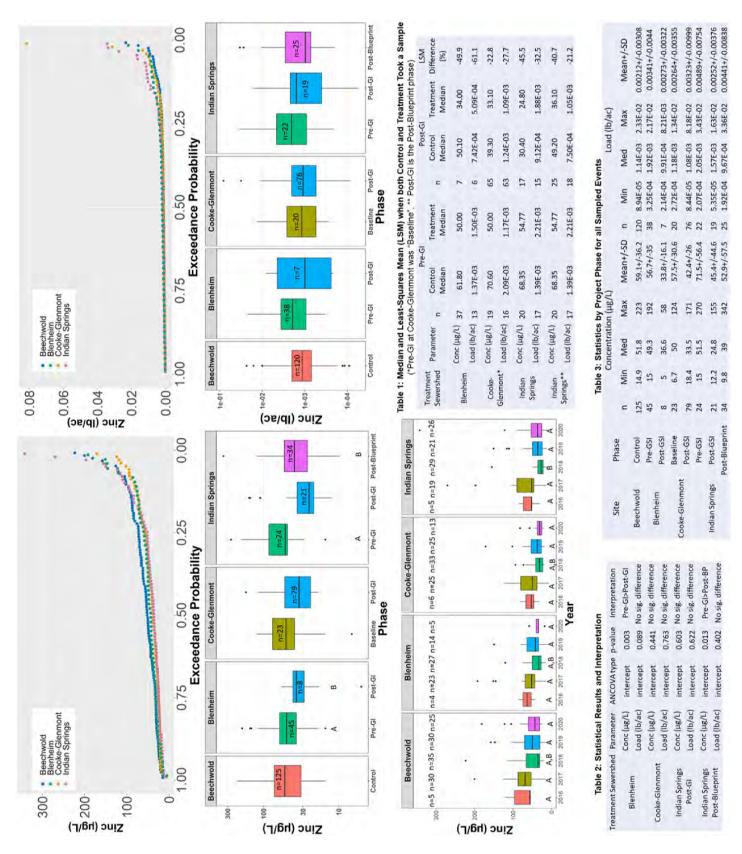


Figure 54. Summary statistics of Zinc in water quality samples collected from Clintonville sewersheds and results of analyses comparing project phases. Significant differences (p<0.05), determined from Kruskal-Wallis/Dunn's test with Bonferroni corrections, are represented by different letters in box plots. Asterisk denotes differences were significant at p<0.1