





# Hamilton Township (Mercer County) ILLICIT DISCHARGE INVESTIGATION 2025

Developed by the Rutgers Cooperative Extension Water Resources Program Funded by Hamilton Township, Mercer County, New Jersey

October 29, 2025

## Acknowledgements

The Hamilton Township (Mercer County) Illicit Discharge Investigation 2025 has been produced by the **Rutgers Cooperative Extension (RCE) Water Resources Program**.

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#### Introduction

The Rutgers Cooperative Extension (RCE) Water Resources Program collected samples from twelve outfall sites in Hamilton Township, Mercer County, New Jersey in August 2025 that exhibited dry weather flow. These twelve outfall sites were part of a larger group of 27 outfalls that were identified as being potential illicit discharges based on visual inspections conducted during the regular outfall inspections of Region 4 (the Back Creek subwatershed, the Crosswicks Creek subwatershed, and the Doctors Creek subwatershed) during the summer of 2025 (Figures 1-4). These outfalls all had dry weather flow or other potential signs of illicit discharges. Data from the initial inspections are provided in Attachment 1.

## **Sampling**

Out of the 27 outfalls suspected of illicit discharge, 16 were revisited and reinspected for evidence of illicit discharge on August 27 and 28 in 2025. Twelve of the 16 outfalls were observed to be flowing, and the remaining four were no longer flowing. These four outfalls showed no other evidence of illicit discharge at the time of re-inspection. Thus, it was assumed these outfalls were originally flowing due to groundwater sources, but special attention should be given to these outfalls at their next inspection. The standard forms required by the New Jersey Department of Environmental Protection (NJDEP) have been completed for all sixteen outfalls that were re-inspected (See Attachment 2).

For the twelve outfalls found to be flowing on August 27 and 28, grab samples were collected by the RCE Water Resources Program staff and delivered to Pace Analytical Labs in Ewing, NJ for analysis of methylene blue active substances (MBAS, surfactants), ammonia as N, potassium, and fluoride to determine if the sites were characteristic of an illicit discharge. The temperature and approximate flow rate of the water directly leaving the outfall were also measured. The results of these analyses as well as the calculated ammonia to potassium ratio, can be found in Table 1. The following analytical methods were used by the lab: MBAS (SM 5540 C-11), ammonia as N (EPA 350.1), potassium (EPA 300.0 Rev. 2.1), and fluoride (EPA 200.7 Rev 4.4).

# **Hamilton Outfall Region 4: Potential Illicit Discharges in Back Creek**

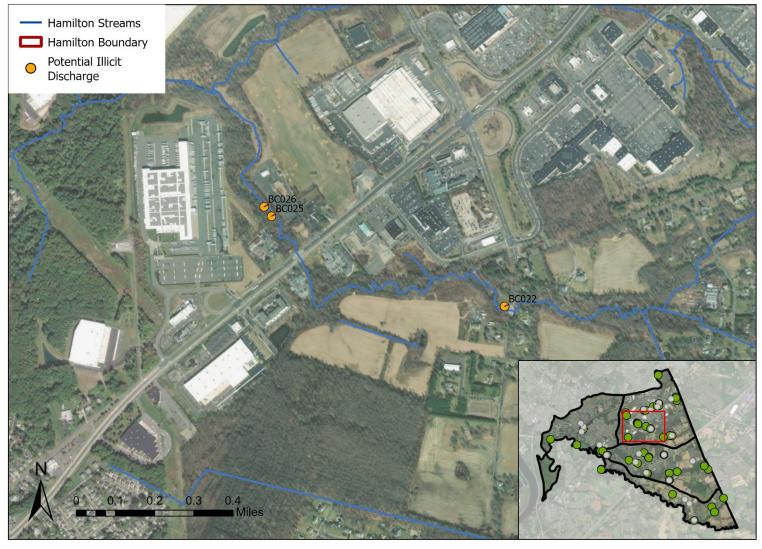


Figure 1: Hamilton Township outfall sampling sites Region 4 (Back Creek), August 2025

# **Hamilton Outfall Region 4: Potential Illicit Discharges in Crosswicks Creek**

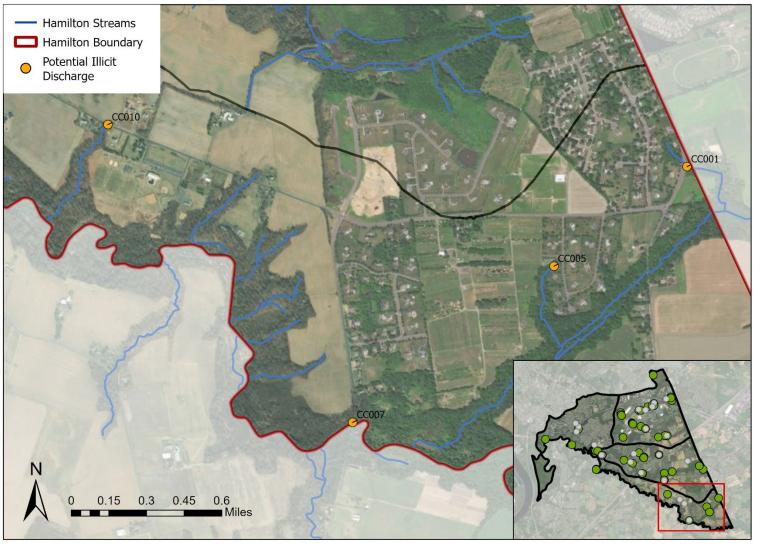


Figure 2: Hamilton Township outfall sampling sites Region 4 (Crosswicks Creek), August 2025

# **Hamilton Outfall Region 4: Potential Illicit Discharges in Doctors Creek**

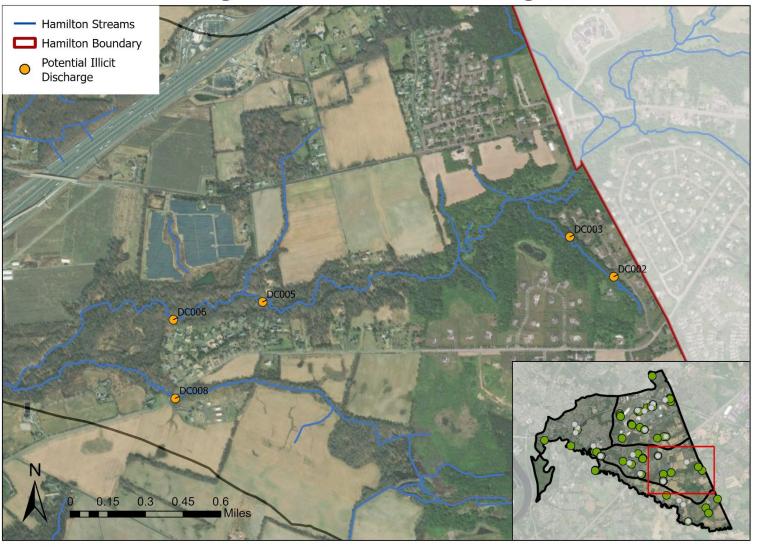


Figure 3: Hamilton Township outfall sampling sites Region 4 (Doctors Creek), August 2025

# **Hamilton Outfall Region 4: Potential Illicit Discharges in Doctors Creek**

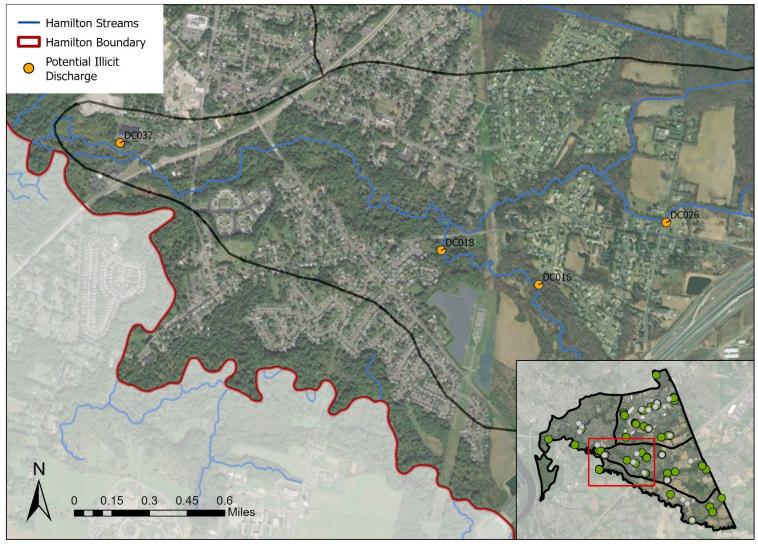


Figure 4: Hamilton Township outfall sampling sites Region 4 (Doctors Creek), August 2025

**Table 1: Results from outfall sampling** 

New Outfall ID	Old Outfall ID	Sample Date	Time Sampled	Temperature (°F)	Surfactants (MBAS) (mg/L)	Ammonia as N (mg/L)	Potassium (mg/L)	Ratio NH₃:K	Fluoride (mg/L)	Estimated Flow Rate GPM	Illicit Discharge (Y/N)
BC022	C603	8/28/2025	2:10 PM	66.6	ND	ND	ND	0.10	ND	0.038	N
BC026	C601	8/27/2025	10:20 AM	70.2	ND	0.622	4.19	0.15	0.248	0.080	Y
CC001	A802	8/27/2025	1:44 PM	64.0	ND	ND	ND	0.10	ND	6.960	N
CC005	B801	8/27/2025	2:16 PM	67.4	ND	ND	ND	0.10	ND	0.010	N
CC007	26	8/28/2025	10:00 AM	67.4	ND	ND	ND	0.10	ND	5.000	N
CC010	29	8/28/2025	1:20 PM	68.6	ND	ND	ND	0.10	ND	0.530	N
DC002	A701	8/27/2025	12:11 PM	66.8	ND	ND	ND	0.10	ND	2.800	N
DC003	A702	8/27/2025	11:53 AM	59.5	ND	ND	ND	0.10	ND	0.272	N
DC006	C704	8/27/2025	11:13 AM	67.8	ND	ND	5.37	0.04	ND	8.920	N
DC016	N/A	8/28/2025	10:45 AM	65.2	ND	ND	ND	0.10	ND	3.100	N
DC018	50	8/28/2025	11:11 AM	61.0	ND	ND	ND	0.10	ND	0.100	N
DC037	E604	8/28/2025	12:50 PM	69.7	ND	ND	26.8	0.01	0.244	0.070	Y
BC025	C602	Not S	Not Sampled				N/A				
DC005	B701	Not Sampled			N/A						
DC008	35	Not S	Not Sampled		N/A						
DC026	N/A	Not S	ampled				N/A				

ND = not detected

MBAS = methylene blue active substances

#### **Results**

The Illicit Discharge Identification Flow Chart provided by NJDEP in chapter 3.6 of the Municipal Separate Storm Sewer System Tier A Guidance Document (Figure 5) was used to determine the presence of an illicit discharge. As seen from the results in Table 1, none of the samples had detectible surfactant concentrations.

If surfactants are measured, the ratio of ammonia as N to potassium can be used to distinguish a sanitary wastewater source from a sanitary washwater source. The ammonia as N to potassium ratio of sanitary wastewater is characteristically greater than 1.0. Dry weather flows with an ammonia as N to potassium ratio less than 1.0 are likely to be from a sanitary washwater source (NJDEP, 2018). If ammonia as N and/or potassium were reported as not detected (ND), half the reporting detection limit (RDL) was used to calculate the ratio. In the case of all outfalls sampled this year, no surfactants were detected, illustrating that the dry weather flows observed are most likely not from a sanitary wastewater or a sanitary washwater source.

For those discharges where surfactants are not detected, the next part of the investigation is to determine if the temperature of the discharge is above 70°F. Discharges where surfactants are not detected and with temperatures greater than 70°F are suspected to be from cooling water sources. The sample taken from outfall BC026 had a temperature of 70.2 °F, which could be indicative of a potential illicit discharge of cooling water. Outfall BC026 has a predominantly industrial and commercial drainage area, with a FedEx warehouse to the west and a commercial building to the east that are potential sources of cooling water.

Most industrial discharges can be identified by high potassium concentrations and/or high ammonia as N concentrations. The benchmark concentration for potassium to identify industrial discharges is  $\geq 20$  mg/L, and the benchmark concentration for ammonia as N to identify industrial discharges is  $\geq 50$  mg/L (Brown, Caraco, and Pitt, 2004). All potassium and ammonia as N concentrations reported in Table 1 are well below these benchmark concentrations, except for Outfall DC037. The potassium concentration at this location is 26.8 mg/L, suggesting a possible industrial source of dry weather flow. The warehouse immediately north of the outfall is a potential source of this suspected illicit discharge.

Dry weather flows observed at the remaining ten outfalls investigated are more likely from a natural or irrigation water source. No evidence of illicit discharge was detected at these ten outfalls.

The data indicate that there is reason to suspect illicit discharges at two of the outfalls: BC026 for suspected illicit discharge of cooling water and DC037 for suspected industrial illicit discharge. Further investigation to find the sources of the suspected illicit discharges is required.

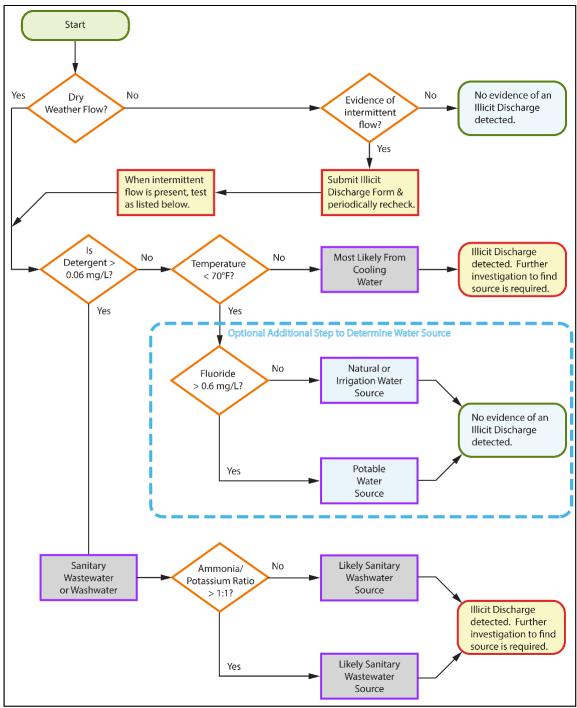


Figure 5: Illicit discharge identification flow chart, NJDEP 2018

## References

Brown, E., Caraco, D., Pitt, R. 2004. Illicit Discharge Detection and Elimination: A Guidance Manual: Chapter 12 Indicator Monitoring, pp. 134-135.

New Jersey Department of Environmental Protection (NJDEP). 2018. Tier A Municipal Stormwater Guidance Document. Chapter 3.6: MS4 Outfall Pipe Mapping and Illicit Discharge and Scour Detection Control, pp. 6-12.

Weather Underground, Trenton Mercer Airport Station, 40.23 °N, 74.68 °W, August 22, 2023. https://www.wunderground.com/history/daily/us/nj/ewing/KTTN/date/2023-8-22



					Are there									Adiacent		
				Is the pipe fully	known non-	Rainfall	Dry	Illicit						Vegetation		
Outfall			Date of	or partially	stormwater	Last	Weather	Discharge					Deposits or	(compared to		
ID	OLD ID	Subwatershed	Inspection	submerged?	discharges?	72hrs?	Flow?	Suspected?	Odor	Color	Turbidity	Floatables	Stains	other areas)	Notes	Overall Priority
10	OLDID	Subwatershed	mopection	Submergeu.	discharges.	7211131	110111	Suspecteu.	Outi	COIOI	Turbialty	ricatables	Stams	other areas,	No dry weather flow during	Overall Friends
BC004	A507	Back Creek (above Yardville-H Sq Road)	7/24/2025	N	Unknown	N	Υ	Y	None	Other	Cloudy	None	None	normal	inspection but evidence of	4 - High
															previous illicit discharge	
BC022	C603	Back Creek (above Yardville-H Sq Road)	7/25/2025	N	Unknown	N	Υ	Υ	None	Clear	Clear	None	None	normal	p	2 - Low
BC023	19	Dook Crook (about Vardvilla II Sa Dood)	7/31/2025	Y (Partially	Unknown	N	v	Υ	None	Brown	Claudy	Petroleum	None	normal		3 - Medium
BC023	19	Back Creek (above Yardville-H Sq Road)	113 112025	Submerged)	Ulkilowii	IN	ı	T	None	DIOWII	Cloudy	retroleum	None	normal		3 - Medium
BC025	C602	Back Creek (above Yardville-H Sq Road)	7/24/2025	N	Unknown	N	V	Y	Petroleum/Gas	Red	Cloudy	None	Oily residues	excessive gowth or		4 - High
50020		Basic Grook (above Taraville Freq (toda)	112 112020	.,	Cinatomi	.,		·	ou orounii ouc	1100	Oloudy	110110		algal growth		
BC026	C601	Back Creek (above Yardville-H Sq Road)	7/24/2025	N	Unknown	N	Υ	Υ	Petroleum/Gas	Red	Cloudy	None	Excessive	normal		4 - High
BC027	C515	Back Creek (above Yardville-H Sq Road)	7/24/2025	N	Unknown	N	V	V	None		Clear	None	sediments None	normal		2 - Low
CC001	A802	Crosswicks Ck(Ellisdale trib - Walnford)	8/5/2025	N N	Unknown	N	V	Y	None	Clear	Clear	Suds	None	normal		2 - Low
	71002	,		Y (Partially												
CC003		Crosswicks Ck(Ellisdale trib - Walnford)	8/5/2025	Submerged)	Unknown	N	Y	Υ	None	Clear	Clear	None	Grayish-Black	normal		3 - Medium
00005	D004	One and the Old Filled at Late Water at	8/5/2025	Y (Partially	Halana		v	Υ	None	01	01	None	Mana			0.1
CC005	B801	Crosswicks Ck(Ellisdale trib - Walnford)	8/5/2025	Submerged)	Unknown	N	Y	Y	None	Clear	Clear	None	None	normal		2 - Low
CC007	26	Crosswicks Ck(Ellisdale trib - Walnford)	8/5/2025	N	Unknown	N	Υ	Υ	None	Clear	Clear	None	Grayish-Black	normal		3 - Medium
CC010	29	Crosswicks Ck(Doctors Ck-Ellisdale trib)	8/5/2025	Y (Partially	Unknown	N	Y	Υ	None	Clear	Clear	None	Gravish-Black	normal		2 - Low
00010		Greenward Greenward Greenward and	0/0/2020	Submerged)	Cilialowii	.,			140110	Oloui	Oldai	140110		Holling		2 2011
DC002	A701	Doctors Creek (below Allentown)	8/5/2025	N	Unknown	N	Υ	Υ	None	Brown	Clear	None	Excessive	normal		3 - Medium
DC003	A702	Doctors Creek (below Allentown)	8/5/2025	N	Unknown	N	V	V	None	Clear	Clear	Petroleum	sediments			2 - Low
DC005	B701	Doctors Creek (below Allentown)	7/31/2025	N N	Unknown	N	Y	Y	None	Brown	Cloudy	retroleum	Grayish-Black None	normal normal		2 - Low
DC005	C704	Doctors Creek (below Allentown)	7/31/2025	N	Unknown	N	Y	Y	None	Clear	Cloudy	None	None	normal		3 - Medium
DC008	35	Doctors Creek (below Allentown)	8/6/2025	N	Unknown	N	Y	Ÿ	None	Brown	Clear	None	None	normal		2 - Low
		i i					v	.,							Dead deer next to outfall so we	
DC013	41	Doctors Creek (below Allentown)	7/25/2025	N	Unknown	N	Y	Υ	Sewage	Yellow	Cloudy		Grayish-Black	algal growth	could not get too close	3 - Medium
DC014	42	Doctors Creek (below Allentown)	7/25/2025	N	Unknown	N	v	Υ	None	Yellow	Clear	None	Excessive	normal	Under overpass	2 - Low
	42	· · · ·					'	•					sediments		Olider overpass	
DC016		Doctors Creek (below Allentown)	7/7/2025	N	Unknown	N	Y	Υ	None	Clear	Cloudy	None	Oily residues	normal		2 - Low
DC018	50	Doctors Creek (below Allentown)	7/7/2025	N	Unknown	N	Υ	Υ	None	Clear	Clear	None	None	normal		3 - Medium
DC026		Doctors Creek (below Allentown)	7/25/2025	N	Unknown	N	Υ	Y	None	Yellow	Clear	Suds	Excessive sediments	normal	Orange discharge from pipe	2 - Low
DC037	E604	Doctors Creek (below Allentown)	7/25/2025	N	Unknown	N	Y	Y	None	Brown	Cloudy	None	Other	normal		3 - Medium
DC031	L004	Doctors Creek (below Allentown)	112312023		Olikilowii	114		'	None	DIOWII	Cidudy	INOTIE	Outer	HUIIIIdi	No dry weather flow during	3 - Medidili
BC002	A505	Back Creek (above Yardville-H Sq Road)	7/24/2025	Y (Partially	Unknown	N	N	Unsure	None	Gray	Cloudy	None	None	normal	inspection but evidence of	3 - Medium
50002	71000	Back Greek (above raravine ri od read)	112-112-02-0	Submerged)	Cilialowii	"		Onouro	140110	Oraș	Oloudy	140110	140110	l lolling.	previous illicit discharge	o mediani
				V (Destinue											No dry weather flow during	
BC003	A501	Back Creek (above Yardville-H Sq Road)	7/24/2025	Y (Partially Submerged)	Unknown	N	N	Unsure	None	Yellow	Cloudy	None	None	normal	inspection but evidence of	2 - Low
				Submergeu)											previous illicit discharge	
				Y (Partially										excessive gowth or	No dry weather flow during	
BC014	C526	Back Creek (above Yardville-H Sq Road)	7/24/2025	Submerged)	Unknown	N	N	Unsure	None	Yellow	Clear	Suds	None	algal growth	inspection but evidence of	2 - Low
				oubmergeu)										algai growar	previous illicit discharge	
															2 outfalls present in same	
DO000	OFOC	Book Crook (above Verdville LLC - B 1)	7/24/2025	Y (Partially	Links our	N.	N	Linaura	None	Valley	Class	None	None		spot, one is 16 in diam,other is	2. Madius:
BC028	C520	Back Creek (above Yardville-H Sq Road)	112412025	Submerged)	Unknown	N	N	Unsure	None	Yellow	Clear	None	None	inhibited growth	18. No dry weather flow during	3 - Medium
															inspection but evidence of previous illicit discharge	
												1		<u> </u>	No dry weather flow during	
BC029	C516	Back Creek (above Yardville-H Sq Road)	7/24/2025	Y (Partially	Unknown	N	N	Unsure	None	Yellow	Opaque	Petroleum	None	normal	inspection but evidence of	4 - High
				Submerged)	3	"					342420				previous illicit discharge	g
		1												1		





Outfall ID: BC022 (7/25/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION						
MS4 Permittee: Hamilton Township	NJF	NJPDES #: NJG0 150258				
SECTION 2: OUTFALL SUMMARY INFORM	1ATION					
*If this outfall is newly identi	fied, be sure to add it to your electror	nic outfall p	ipe map.³	k		
Outfall ID: BC022 (previously C603)	: BC022 (previously C603) Outfall Location Description: 3901 Crosswicks Hamilton Square Road					
Municipality: Hamilton Township	County:_	Mercer				
Receiving Waterbody: Back Creek						
Describe the type of conveyance(s) that d corrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or		
If the ultimate discharge into the receiving partially submerged?	-		•	ipe fully or  *   ALWAYS*		
*If 'Sometimes' or 'Always,' describe subr Wide, slow flow pooling around the ou		etion:				
If the ultimate discharge into the receiving distance between the end of the last encloseft.): N/A	-	-				
Do any other NJPDES permittees discharg	e through this MS4 outfall?	☐ YES*	■ NO	□ UNKNOWN		
*If 'YES', list Permittee Name(s), NJPDES #	#(s), and Location of Connection:					
*If 'YES', ple	ease contact your MS4 Case Manag	ger.*				

SECTION 3: OUT	FALL INSPECTION					
Date of current i	Date of current inspection: $\frac{08}{\sqrt{28}}$					
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{20}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$						
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$					
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling					
SECTION 4: PHY	SICAL OBSERVATIONS					
-	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.					
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A					
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.					
	(Potential illicit discharge sources are listed in parentheses.)					
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>					
Color	☐ Other: Clear ☐ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)					
	☐ Gray (dairies, sewage) ☐ Yellow (chemical plants, textile and tanning plants) ☐ Red (meat packers) ☐ Other:					
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>					
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:					

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent						
Stains within outfall		nwater discharge						
Outian	□ None	Disch (looth on too your o)						
	l	n-Black (leather tanneries)						
		crystalline powder (Nitrogenous fertilizers) ve sediments (construction sites)						
		Oily residues (petroleum refineries, storage facilities, vehicle service areas)						
	☐ Olly res							
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation						
	■ Normal							
	☐ Excessi	ve growth and/or algal presence (Food processing plants)						
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)						
of the water of vegetation surr sourc Prior to cond	*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm							
sewer to a mo	re dejimuve	e location by various methods, such as opening manholes, using a camera and/or performing dye tests or smoke tests.*						
SECTION 5: FIEL	D MONITO	RING						
*Field c	alibrate ins	truments in accordance with manufacturer's instructions prior to testing.*						
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM						
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste						
Examples include and methylene t substances (	olue active	Measurement: ND - Not Detected mg/L						
Temperature	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season						
weather dis	=	Measurement: 66.6 °F						
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *							
SECTION 6: DRY	SECTION 6: DRY WEATHER FLOW ANALYSIS - WATER QUALITY							
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall								

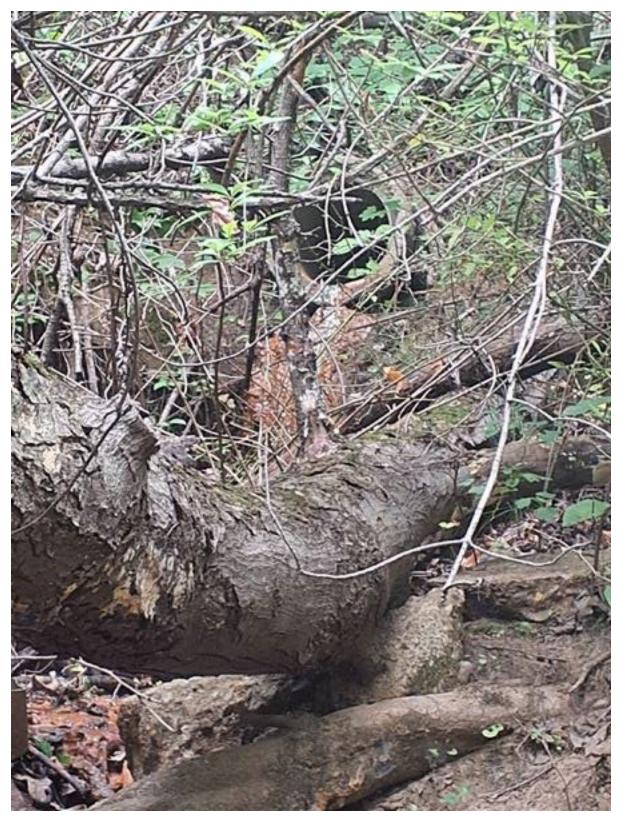
Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli (FW & PL waters)**	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
Enterococci (SC & SE1 waters)**	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
Fecal Coliform (SE2 & SE3 waters)**	Sewage	Count/100 mL
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

#### **SECTION 7: ILLICIT DISCHARGE INVESTIGATION**

*The investigation is not complete until the source of elimination	he dry weather flow is found, and any illicit di ated.*	scharge is
Based on the latest results from the investigation, incl	uding the results in Sections 4, 5 and 6, is/was	this dry
weather flow from an illicit connection?	☐ YES ■ NO ☐ INVESTIGATION IS (	ONGOING
If the investigation has been completed, what was the	source of the dry weather flow or illicit conne	ection?
The source of the dry weather flow is natural or in detected.	gation water, no evidence of illicit dischar	ge

Describe the investigation, including the meth	nods that were/will be used to identify the suspected source of
the illegal discharge, or conclude there was no	o illicit discharge, along with the timeline of the steps of the
investigation. Attach additional pages if nece	ssary.
Samples were collected from this outfall o	on 8/28/2025 and tested for the following parameters:
•	oride. None of these parameters were indicative of illicit
discharge sources.	
SECTION 8: ILLICIT DISCHARGE ELIMINATION	
SECTION 8: ILLICIT DISCHARGE ELIIVIINATION	
If it was an illicit discharge, has the source be	en eliminated?
Describe the plan of action that was/will be for	ollowed to eliminate the illicit connection. This plan should
•	ge, what methods were/will be used to fix it, how long it
•	confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION	
Inspector's Name: Payal Khatri	
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri	Date: 10/29/2025



Outfall ID: BC025 (7/24/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION						
MS4 Permittee: Hamilton Township	NJP	NJPDES #: NJG0_ <sup>150258</sup>				
SECTION 2: OUTFALL SUMMARY INFORMA	ATION					
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k		
Outfall ID: BC022 (previously C603)	ID: BC022 (previously C603) Outfall Location Description: 3901 Crosswicks Hamilton Square Road					
Municipality: Hamilton Township	County:_	Mercer				
Receiving Waterbody: Back Creek						
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or		
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*		
*If 'Sometimes' or 'Always,' describe subm		tion:				
Wide, slow flow pooling around the out						
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-				
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN		
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:					
*if 'VES' place	ase contact your MS4 Case Manag	nor *				

SECTION 3: OUT	FALL INSPECTION					
Date of current inspection: $\frac{08}{\sqrt{28}}$						
Latest precipitat	Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$					
Date dry weathe	r flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{24}$					
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling					
SECTION 4: PHY	SICAL OBSERVATIONS					
-	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.					
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A					
-	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there					
are indications o	f intermittent illicit discharges present.					
	(Potential illicit discharge sources are listed in parentheses.)					
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>					
	□ Other:					
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>					
Turbidity	<ul> <li>■ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> </ul>					
	☐ Opaque (food processors, lumber mills, metal works, pigment plants)					
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None  Sewage (toilet paper, etc.)					
	☐ Suds ☐ Petroleum (oil sheen) ☐ Other:					

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent						
Stains within		nwater discharge						
outfall	□ None							
	-	n-Black (leather tanneries)						
		crystalline powder (Nitrogenous fertilizers)						
		Excessive sediments (construction sites)						
	☐ Oily res	Oily residues (petroleum refineries, storage facilities, vehicle service areas)  Other:						
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation						
	■ Normal							
	☐ Excessi	ve growth and/or algal presence (Food processing plants)						
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)						
of the water of vegetation surr source Prior to cond	*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or							
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*						
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*						
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM						
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste						
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L						
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season						
weather dis	=	Measurement: 66.6 °F						
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*						
SECTION 6: DRY	SECTION 6: DRY WEATHER FLOW ANALYSIS - WATER QUALITY							
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall								

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

#### **SECTION 7: ILLICIT DISCHARGE INVESTIGATION**

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	es in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	$\square$ NO $\square$ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	dry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the me	thods that were/will be used to identify the suspected source of			
the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the				
investigation. Attach additional pages if neo	cessary.			
Samples were collected from this outfall	on 8/28/2025 and tested for the following parameters:			
•	uoride. None of these parameters were indicative of illicit			
discharge sources.				
SECTION 8: ILLICIT DISCHARGE ELIMINATIO	N			
If it was an illicit discharge, has the source b	een eliminated?			
	5 · · · · · · · · · · · · · · · · · · ·			
•	followed to eliminate the illicit connection. This plan should			
·	rge, what methods were/will be used to fix it, how long it			
took/will take, and how removal was/will be	e confirmed and rechecked:			
	· · · · · · · · · · · · · · · · · · ·			
	<del></del>			
SECTION 9: INSPECTOR INFORMATION				
Inspector's Name: Payal Khatri				
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM			
Signature: Payal Khatri				



Outfall ID: BC026 (7/24/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township NJPDES #: NJG0 150258			3	
SECTION 2: OUTFALL SUMMARY INFORM	1ATION			
*If this outfall is newly identi	fied, be sure to add it to your electron	nic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	)1 Crosswicl	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that d corrugated pipe, concrete channel, etc.):24" diameter concrete pipe		_		concrete or
If the ultimate discharge into the receiving partially submerged?	•		•	ipe fully or *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subr Wide, slow flow pooling around the ou	•	etion:		
If the ultimate discharge into the receiving distance between the end of the last encloser.): N/A	-	-		
Do any other NJPDES permittees discharg	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	#(s), and Location of Connection:			
*If 'YES', ple	ease contact your MS4 Case Manag	ger.*		

<b>SECTION 3: OUT</b>	FALL INSPECTION				
Date of current i	nspection: <u>08</u> <u>/ 28</u> <u>/ 2025</u>				
Latest precipitat	Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$				
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$				
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling				
SECTION 4: PHY	SICAL OBSERVATIONS				
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.				
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A				
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.				
	(Potential illicit discharge sources are listed in parentheses.)				
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>				
	Other:				
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>				
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>				
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:				

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent	
Stains within	non-stormwater discharge		
outfall	□ None		
	-	n-Black (leather tanneries)	
		crystalline powder (Nitrogenous fertilizers)	
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
**FIEIQ C	alibrate ins	truments in accordance with manufacturer's instructions prior to testing.*	
	Estimated Dry Weather Flow Rate  The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  0.038  GPM		
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
and methylene b	Examples include surfactants and methylene blue active substances (MBAS)  Measurement: ND - Not Detected mg/L		
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
sections, <u>further</u> parameters ar more inform	r testing mure re recomme nation, refer document	discharge types determined in the 'Physical Observation' and 'Field Monitoring' ust be conducted using the appropriate subset of parameters below. The following ended by the EPA for specific types of discharges as noted in the table below. For to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  r measurements (e.g. outfall, manhole number, etc.):	

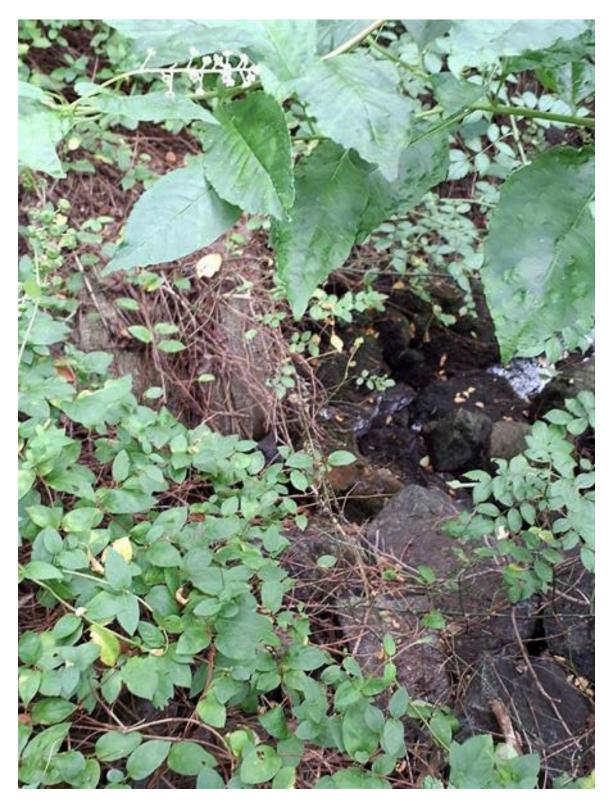
Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

#### **SECTION 7: ILLICIT DISCHARGE INVESTIGATION**

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	es in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	$\square$ NO $\square$ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	dry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\Box$ YES $\Box$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: CC001 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township NJPDES #: NJG0 150258			3	
SECTION 2: OUTFALL SUMMARY INFORM	1ATION			
*If this outfall is newly identi	fied, be sure to add it to your electron	nic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	)1 Crosswicl	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that d corrugated pipe, concrete channel, etc.):24" diameter concrete pipe		_		concrete or
If the ultimate discharge into the receiving partially submerged?	•		•	ipe fully or *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subr Wide, slow flow pooling around the ou	•	etion:		
If the ultimate discharge into the receiving distance between the end of the last encl. (ft.): N/A	-	-		
Do any other NJPDES permittees discharg	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	#(s), and Location of Connection:			
*If 'YES', ple	ease contact your MS4 Case Manag	ger.*		

SECTION 3: OUT	FALL INSPECTION				
Date of current i	nspection: <u>08 / 28 / 2025</u>				
Latest precipitat	Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$				
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$				
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling				
SECTION 4: PHY	SICAL OBSERVATIONS				
-	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.				
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A				
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there f intermittent illicit discharges present.				
	(Potential illicit discharge sources are listed in parentheses.)				
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>				
	☐ Other:				
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>				
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>				
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen)				

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent	
Stains within	non-stormwater discharge		
outfall	□ None		
	-	n-Black (leather tanneries)	
		crystalline powder (Nitrogenous fertilizers)	
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
sections, <u>further</u> parameters ar more inform	r testing mure re recomme nation, refer document	discharge types determined in the 'Physical Observation' and 'Field Monitoring' ust be conducted using the appropriate subset of parameters below. The following ended by the EPA for specific types of discharges as noted in the table below. For to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  r measurements (e.g. outfall, manhole number, etc.):	

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the meth	ods that were/will be used to identify the suspected source of
the illegal discharge, or conclude there was no	o illicit discharge, along with the timeline of the steps of the
investigation. Attach additional pages if neces	ssary.
•	n 8/28/2025 and tested for the following parameters:
	oride. None of these parameters were indicative of illicit
discharge sources.	
	<del>_</del>
SECTION 8: ILLICIT DISCHARGE ELIMINATION	
If it was an illicit discharge, has the source bee	en eliminated?
Describe the plan of action that was/will be fo	ollowed to eliminate the illicit connection. This plan should
·	ge, what methods were/will be used to fix it, how long it
took/will take, and how removal was/will be o	confirmed and rechecked:
	<del></del>
SECTION 9: INSPECTOR INFORMATION	
Inspector's Name: Payal Khatri	
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri	Date: 10/29/2025

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Outfall ID: CC005 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION	
MS4 Permittee: Hamilton Township	NJPDES #: NJG0_ <sup>150258</sup>
SECTION 2: OUTFALL SUMMARY INFORM	ATION
*If this outfall is newly identij	fied, be sure to add it to your electronic outfall pipe map.*
Outfall ID: BC022 (previously C603)	Outfall Location Description: 3901 Crosswicks Hamilton Square Road
Municipality: Hamilton Township	County: Mercer
Receiving Waterbody: Back Creek	
corrugated pipe, concrete channel, etc.): $\underline{\ }$	elivers the stormwater to the receiving waterbody (concrete or
If the ultimate discharge into the receiving partially submerged?	g water <b>is from an enclosed pipe</b> , is the end of the pipe fully or  ☐ NEVER ☐ SOMETIMES* ☐ ALWAYS*
*If 'Sometimes' or 'Always,' describe subn Wide, slow flow pooling around the ou	·
	g water <b>is not from an enclosed pipe</b> , what is the approximate osed stormwater conveyance pipe to the receiving waterbody
Do any other NJPDES permittees discharge	e through this MS4 outfall? ☐ YES* ☐ NO ☐ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	e(s), and Location of Connection:
*If 'YES', ple	ase contact your MS4 Case Manager.*

SECTION 3: OUT	FALL INSPECTION		
Date of current i	nspection: <u>08</u> <u>/ 28  / 2025</u>		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$			
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$		
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling		
SECTION 4: PHY	SICAL OBSERVATIONS		
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.		
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A		
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there f intermittent illicit discharges present.		
	(Potential illicit discharge sources are listed in parentheses.)		
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> <li>Other:</li> </ul>		
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>		
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>		
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:		

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent	
Stains within	non-stormwater discharge		
outfall	□ None		
	-	n-Black (leather tanneries)	
		crystalline powder (Nitrogenous fertilizers)	
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
sections, <u>further</u> parameters ar more inform	r testing mure re recomme nation, refer document	discharge types determined in the 'Physical Observation' and 'Field Monitoring' ust be conducted using the appropriate subset of parameters below. The following ended by the EPA for specific types of discharges as noted in the table below. For to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  r measurements (e.g. outfall, manhole number, etc.):	

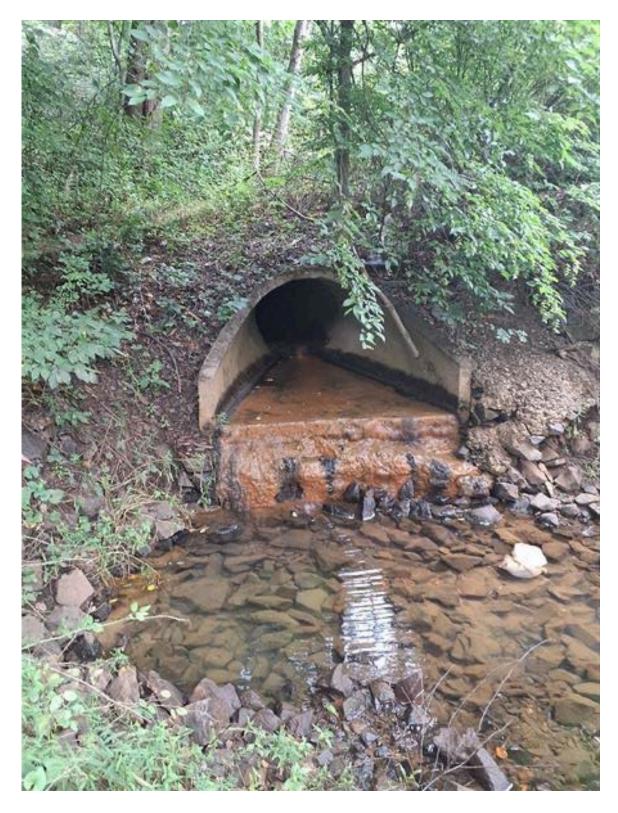
Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the meth	nods that were/will be used to identify the suspected source of		
the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the			
investigation. Attach additional pages if nece	ssary.		
•	n 8/28/2025 and tested for the following parameters:		
	oride. None of these parameters were indicative of illicit		
discharge sources.			
CECTION O. HUICIT DISCULARSE FURMINATION			
SECTION 8: ILLICIT DISCHARGE ELIMINATION			
If it was an illicit discharge, has the source bee	en eliminated?		
Describe the plan of action that was/will be for	ollowed to eliminate the illicit connection. This plan should		
·	ge, what methods were/will be used to fix it, how long it		
took/will take, and how removal was/will be o	confirmed and rechecked:		
	<del>-</del>		
SECTION 9: INSPECTOR INFORMATION			
Inspector's Name: Payal Khatri			
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM		
Signature: Payal Khatri	Date: 10/29/2025		

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Outfall ID: CC007 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION	
MS4 Permittee: Hamilton Township	NJPDES #: NJG0_ <sup>150258</sup>
SECTION 2: OUTFALL SUMMARY INFORM	ATION
*If this outfall is newly identij	fied, be sure to add it to your electronic outfall pipe map.*
Outfall ID: BC022 (previously C603)	Outfall Location Description: 3901 Crosswicks Hamilton Square Road
Municipality: Hamilton Township	County: Mercer
Receiving Waterbody: Back Creek	
corrugated pipe, concrete channel, etc.): $\underline{\ }$	elivers the stormwater to the receiving waterbody (concrete or
If the ultimate discharge into the receiving partially submerged?	g water <b>is from an enclosed pipe</b> , is the end of the pipe fully or  ☐ NEVER ☐ SOMETIMES* ☐ ALWAYS*
*If 'Sometimes' or 'Always,' describe subn Wide, slow flow pooling around the ou	·
	g water <b>is not from an enclosed pipe</b> , what is the approximate osed stormwater conveyance pipe to the receiving waterbody
Do any other NJPDES permittees discharge	e through this MS4 outfall? ☐ YES* ☐ NO ☐ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	e(s), and Location of Connection:
*If 'YES', ple	ase contact your MS4 Case Manager.*

SECTION 3: OUT	FALL INSPECTION		
Date of current i	nspection: <u>08</u> <u>/ 28  / 2025</u>		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2025}$			
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$		
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling		
SECTION 4: PHY	SICAL OBSERVATIONS		
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.		
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A		
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there f intermittent illicit discharges present.		
	(Potential illicit discharge sources are listed in parentheses.)		
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> <li>Other:</li> </ul>		
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>		
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>		
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:		

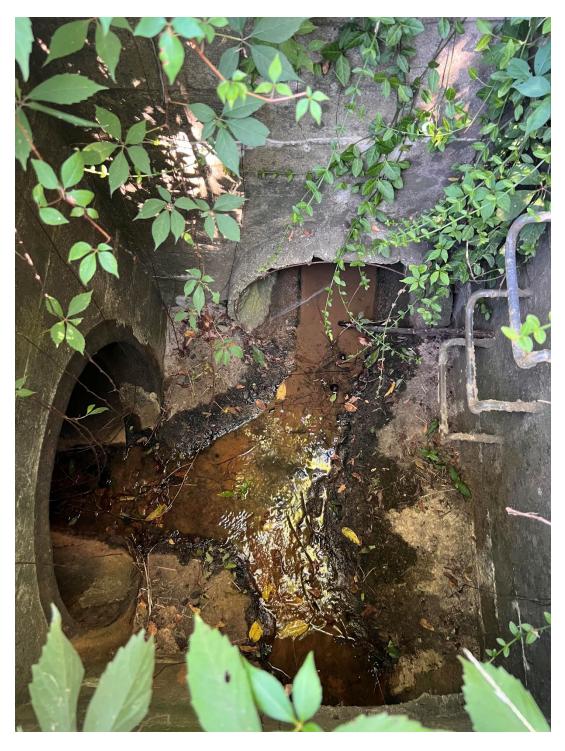
Deposits and				
Stains within				
outfall	□ None			
	☐ Grayish-Black (leather tanneries)			
	☐ White crystalline powder (Nitrogenous fertilizers)			
		■ Excessive sediments (construction sites)		
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)		
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation		
	■ Norma			
	☐ Excessi	ve growth and/or algal presence (Food processing plants)		
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)		
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*		
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*		
Estimated Dry Weather Flow Rate		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM		
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste		
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L		
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season		
weather dis	=	Measurement: 66.6 °F		
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY		
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall				

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\Box$ YES $\Box$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: PS024 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	DES #: NJO	30 <u>150258</u>	3
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION	
Date of current inspection: $\frac{08}{28}$ / $\frac{2025}{2025}$		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{20}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{20.78}$		
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$	
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling	
SECTION 4: PHY	SICAL OBSERVATIONS	
	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.	
<b>If applicable:</b> Me	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A	
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.	
	(Potential illicit discharge sources are listed in parentheses.)   None	
Odor	<ul> <li>□ Sewage (stale/septic sanitary wastewater)</li> <li>□ Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>□ Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>□ Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>	
	Other:	
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>	
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>	
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:	

Deposits and				
Stains within				
outfall	□ None			
	☐ Grayish-Black (leather tanneries)			
	☐ White crystalline powder (Nitrogenous fertilizers)			
		■ Excessive sediments (construction sites)		
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)		
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation		
	■ Norma			
	☐ Excessi	ve growth and/or algal presence (Food processing plants)		
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)		
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*		
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*		
Estimated Dry Weather Flow Rate		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM		
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste		
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L		
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season		
weather dis	=	Measurement: 66.6 °F		
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY		
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall				

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\ \square$ YES $\ \square$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC002 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	DES #: NJO	30 <u>150258</u>	3
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION	
Date of current inspection: $\frac{08}{28}$ / $\frac{2025}{2025}$		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2000}$		
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$	
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling	
SECTION 4: PHY	SICAL OBSERVATIONS	
	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.	
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A	
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.  (Potential illicit discharge sources are listed in parentheses.)	
	None    None   Potential lilicit discharge sources are listed in parentneses.	
Odor	<ul> <li>□ Sewage (stale/septic sanitary wastewater)</li> <li>□ Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>□ Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>□ Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>	
	Other:	
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>	
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>	
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen)	

Deposits and			
Stains within			
outfall	□ None		
	☐ Grayish-Black (leather tanneries)		
	☐ White crystalline powder (Nitrogenous fertilizers)		
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*	
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge  Washwater		SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the nvestigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
f it was an illicit discharge, has the source been eliminated? $\ \square$ YES $\ \square$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it cook/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
nspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC003 (8/5/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	NJPDES #: NJG0_ <sup>150258</sup>		
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION	
Date of current inspection: $\frac{08}{28}$ / $\frac{28}{2025}$		
Latest precipitation/snowmelt event: $\frac{08}{}$ / $\frac{20}{}$ / $\frac{2025}{}$ Amount of Precipitation (in.): $\frac{0.78}{}$		
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$	
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling	
SECTION 4: PHY	SICAL OBSERVATIONS	
	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.	
<b>If applicable:</b> Me	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A	
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.	
	(Potential illicit discharge sources are listed in parentheses.)   None	
Odor	<ul> <li>□ Sewage (stale/septic sanitary wastewater)</li> <li>□ Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>□ Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>□ Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>	
	Other:	
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>	
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>	
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:	

Deposits and			
Stains within			
outfall	□ None		
	☐ Grayish-Black (leather tanneries)		
	☐ White crystalline powder (Nitrogenous fertilizers)		
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*	
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge  Washwater		SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.		
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.		
SECTION 8: ILLICIT DISCHARGE ELIMINATION		
If it was an illicit discharge, has the source been eliminated? $\ \square$ YES $\ \square$ NO		
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:		
SECTION 9: INSPECTOR INFORMATION		
Inspector's Name: Payal Khatri		
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM		
Signature: Payal Khatri Date: 10/29/2025		



Outfall ID: DC005 (7/31/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	NJPDES #: NJG0_ <sup>150258</sup>		
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION	
Date of current inspection: 08 / 28 / 2025		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{20.78}$		
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{2}$	
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling	
SECTION 4: PHY	SICAL OBSERVATIONS	
	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.	
<b>If applicable:</b> Me	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A	
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.	
	(Potential illicit discharge sources are listed in parentheses.)   None	
Odor	<ul> <li>□ Sewage (stale/septic sanitary wastewater)</li> <li>□ Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>□ Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>□ Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>	
	Other:	
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>	
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>	
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:	

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent
Stains within	non-stormwater discharge	
outfall	□ None	
	-	n-Black (leather tanneries)
		crystalline powder (Nitrogenous fertilizers)
		ve sediments (construction sites)
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation
	■ Norma	
	☐ Excessi	ve growth and/or algal presence (Food processing plants)
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)
*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season
weather dis	=	Measurement: 66.6 °F
*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall		

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the meth	nods that were/will be used to identify the suspected source of		
he illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the			
investigation. Attach additional pages if nece	ssary.		
Samples were collected from this outfall o	on 8/28/2025 and tested for the following parameters:		
•	oride. None of these parameters were indicative of illicit		
discharge sources.			
SECTION 8: ILLICIT DISCHARGE ELIMINATION			
SECTION 8: ILLICIT DISCHARGE ELIIVIINATION			
If it was an illicit discharge, has the source be	en eliminated?		
Describe the plan of action that was/will be for	ollowed to eliminate the illicit connection. This plan should		
•	ge, what methods were/will be used to fix it, how long it		
•	confirmed and rechecked:		
SECTION 9: INSPECTOR INFORMATION			
Inspector's Name: Payal Khatri			
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM		
Signature: Payal Khatri	Date: 10/29/2025		



Outfall ID: DC006 (7/31/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION	
MS4 Permittee: Hamilton Township	NJPDES #: NJG0_ <sup>150258</sup>
SECTION 2: OUTFALL SUMMARY INFORM	ATION
*If this outfall is newly identij	fied, be sure to add it to your electronic outfall pipe map.*
Outfall ID: BC022 (previously C603)	Outfall Location Description: 3901 Crosswicks Hamilton Square Road
Municipality: Hamilton Township	County: Mercer
Receiving Waterbody: Back Creek	
corrugated pipe, concrete channel, etc.): $\underline{\ }$	elivers the stormwater to the receiving waterbody (concrete or
If the ultimate discharge into the receiving partially submerged?	g water <b>is from an enclosed pipe</b> , is the end of the pipe fully or  ☐ NEVER ☐ SOMETIMES* ☐ ALWAYS*
*If 'Sometimes' or 'Always,' describe subn Wide, slow flow pooling around the ou	·
	g water <b>is not from an enclosed pipe</b> , what is the approximate osed stormwater conveyance pipe to the receiving waterbody
Do any other NJPDES permittees discharge	e through this MS4 outfall? ☐ YES* ☐ NO ☐ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	e(s), and Location of Connection:
*If 'YES', ple	ase contact your MS4 Case Manager.*

<b>SECTION 3: OUT</b>	FALL INSPECTION			
Date of current i	inspection: <u>08</u> <u>/ 28</u> <u>/ 2025</u>			
Latest precipitat	Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{20.78}$			
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{31}$			
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling			
SECTION 4: PHY	SICAL OBSERVATIONS			
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.			
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A			
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.			
	(Potential illicit discharge sources are listed in parentheses.)			
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> <li>Other:</li> </ul>			
	☐ Other:			
Color	<ul> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>			
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>			
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:			

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent
Stains within	non-stormwater discharge	
outfall	□ None	
	-	n-Black (leather tanneries)
		crystalline powder (Nitrogenous fertilizers)
		ve sediments (construction sites)
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation
	■ Norma	
	☐ Excessi	ve growth and/or algal presence (Food processing plants)
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)
*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or		
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season
weather dis	=	Measurement: 66.6 °F
*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall		

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\Box$ YES $\Box$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC008 (8/6/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION	
MS4 Permittee: Hamilton Township	NJPDES #: NJG0_ <sup>150258</sup>
SECTION 2: OUTFALL SUMMARY INFORM	ATION
*If this outfall is newly identij	fied, be sure to add it to your electronic outfall pipe map.*
Outfall ID: BC022 (previously C603)	Outfall Location Description: 3901 Crosswicks Hamilton Square Road
Municipality: Hamilton Township	County: Mercer
Receiving Waterbody: Back Creek	
corrugated pipe, concrete channel, etc.): $\underline{\ }$	elivers the stormwater to the receiving waterbody (concrete or
If the ultimate discharge into the receiving partially submerged?	g water <b>is from an enclosed pipe</b> , is the end of the pipe fully or  ☐ NEVER ☐ SOMETIMES* ☐ ALWAYS*
*If 'Sometimes' or 'Always,' describe subn Wide, slow flow pooling around the ou	·
	g water <b>is not from an enclosed pipe</b> , what is the approximate osed stormwater conveyance pipe to the receiving waterbody
Do any other NJPDES permittees discharge	e through this MS4 outfall? ☐ YES* ☐ NO ☐ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	e(s), and Location of Connection:
*If 'YES', ple	ase contact your MS4 Case Manager.*

<b>SECTION 3: OUT</b>	FALL INSPECTION
Date of current i	nspection: <u>08</u> <u>/ 28</u> <u>/ 2025</u>
Latest precipitat	ion/snowmelt event: $\frac{08}{}$ / $\frac{20}{}$ / $\frac{2025}{}$ Amount of Precipitation (in.): $\frac{0.78}{}$
Date dry weathe	r flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{06}$
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling
SECTION 4: PHY	SICAL OBSERVATIONS
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there f intermittent illicit discharges present.
	(Potential illicit discharge sources are listed in parentheses.)
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>
	Other:
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:

Deposits and			
Stains within	3		
outfall	□ None		
	☐ Grayish-Black (leather tanneries)		
	☐ White crystalline powder (Nitrogenous fertilizers)		
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*	
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge  Washwater		SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is		
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry		
weather flow from an illicit connection?				
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?		
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge		
·				

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated?
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC016 (7/7/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	NJPDES #: NJG0_ <sup>150258</sup>		
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION			
Date of current inspection: $\frac{08}{28} / \frac{28}{2025}$				
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2000}$				
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$			
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling			
SECTION 4: PHY	SICAL OBSERVATIONS			
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.			
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A			
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there f intermittent illicit discharges present.			
	(Potential illicit discharge sources are listed in parentheses.)			
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> <li>Other:</li> </ul>			
Color	<ul> <li>☐ Clear</li> <li>☐ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>☐ Gray (dairies, sewage)</li> <li>☐ Yellow (chemical plants, textile and tanning plants)</li> </ul>			
	☐ Red (meat packers) ☐ Other:			
Turbidity	☐ Clear ☐ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers) ☐ Opaque (food processors, lumber mills, metal works, pigment plants)			
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:			

Deposits and			
Stains within	3		
outfall	□ None		
	☐ Grayish-Black (leather tanneries)		
	☐ White crystalline powder (Nitrogenous fertilizers)		
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Flow Ra		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	<mark>ceed to Sec</mark>	tion 6 in accordance with the Guidance Document recommendations.*	
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge  Washwater		SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is		
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry		
weather flow from an illicit connection?				
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?		
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge		
·				

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\Box$ YES $\Box$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC018 (7/7/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	NJPDES #: NJG0_ <sup>150258</sup>		
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION	
Date of current inspection: 08 / 28 / 2025		
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{20.78}$		
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{2}$	
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling	
SECTION 4: PHY	SICAL OBSERVATIONS	
	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.	
<b>If applicable:</b> Me	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A	
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.	
	(Potential illicit discharge sources are listed in parentheses.)   None	
Odor	<ul> <li>□ Sewage (stale/septic sanitary wastewater)</li> <li>□ Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>□ Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>□ Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>	
	Other:	
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>	
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>	
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:	

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent	
Stains within	non-stormwater discharge		
outfall	□ None		
	-	n-Black (leather tanneries)	
		crystalline powder (Nitrogenous fertilizers)	
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Weather Flow Rate		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Detergents		Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include surfactants		Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge	Washwater	SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

investigation. Attach additional pages if necessary.  Samples were collected from this outfall on 8/28/2025 and tested for the following parameters:  surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.
CECTION 8. HUICIT DISCUADES SUBMINATION
CECTION O. ILLICIT DICCUADOS FURMINATION
SECTION 8: ILLICIT DISCHARGE ELIMINATION
If it was an illicit discharge, has the source been eliminated? $\ \square$ YES $\ \square$ NO
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION
Inspector's Name: Payal Khatri
Title: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri Date: 10/29/2025



Outfall ID: DC026 (6/18/2024)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	DES #: NJO	30 <u>150258</u>	3
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

<b>SECTION 3: OUT</b>	FALL INSPECTION			
Date of current i	inspection: <u>08</u> <u>/ 28</u> <u>/ 2025</u>			
Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{2025}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{2000}$				
Date dry weathe	er flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$			
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling			
SECTION 4: PHY	SICAL OBSERVATIONS			
•	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.			
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A			
•	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there of intermittent illicit discharges present.			
	(Potential illicit discharge sources are listed in parentheses.)			
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> <li>□ Other:</li> </ul>			
	☐ Other:			
Color	<ul> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>			
Turbidity	<ul> <li>□ Clear</li> <li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li> <li>□ Opaque (food processors, lumber mills, metal works, pigment plants)</li> </ul>			
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.) Suds Petroleum (oil sheen) Other:			

Deposits and	_	residues or fragments of material may be indicators of a potential intermittent	
Stains within	non-stormwater discharge		
outfall	□ None		
	-	n-Black (leather tanneries)	
		crystalline powder (Nitrogenous fertilizers)	
		ve sediments (construction sites)	
	☐ Oily res	sidues (petroleum refineries, storage facilities, vehicle service areas)	
Vegetation	As compa	red to surrounding Riparian bank and/or stream vegetation	
	■ Norma		
	☐ Excessi	ve growth and/or algal presence (Food processing plants)	
	☐ Inhibite	ed Growth (Industrial operation effluent, CAFOs)	
of the water of vegetation surr source Prior to cond	or no depos counding ou ce, but <u>the "</u> ucting the d	its and stains left on the outfall, turbidity was clear, no floatable matter, and the otfall appears normal, then the dry weather discharge is likely from a groundwater (Field Monitoring" section below must still be completed for verification.  Inalyses in Sections 5 & 6, the source may be traced back upstream in the storm to location by various methods, such as opening manholes, using a camera and/or	
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*	
Field C	unbrute ms	truments in accordance with manufacturer's instructions prior to testing.*	
Estimated Dry Weather Flow Rate		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM	
Detergents		Potential discharge types include sewage, washwater, industrial or commercial liquid waste	
Examples include surfactants		Measurement: ND - Not Detected mg/L	
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season	
weather dis	=	Measurement: 66.6 °F	
*Pro	*Proceed to Section 6 in accordance with the Guidance Document recommendations. *		
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY	
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):  Outfall			

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement	
Ammonia	Sewage, washwater	ND - Not Detectedmg/L	
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L	
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L	
Chlorine	Industrial or commercial liquid waste	mg/L	
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m	
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(FW & PL waters)**			
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL	
(SC & SE1 waters)**			
Fecal Coliform	Sewage	Count/100 mL	
(SE2 & SE3 waters)**			
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L	
pH of Dry Weather Discharge	Washwater	SU	

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	s in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	□ NO □ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	Iry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the meth	nods that were/will be used to identify the suspected source of
the illegal discharge, or conclude there was no	o illicit discharge, along with the timeline of the steps of the
investigation. Attach additional pages if neces	ssary.
•	n 8/28/2025 and tested for the following parameters:
	oride. None of these parameters were indicative of illicit
discharge sources.	
CECTION O. HAIGH DISCHARGE FURMINATION	
SECTION 8: ILLICIT DISCHARGE ELIMINATION	
If it was an illicit discharge, has the source bee	en eliminated?
Describe the plan of action that was/will be fo	ollowed to eliminate the illicit connection. This plan should
·	ge, what methods were/will be used to fix it, how long it
took/will take, and how removal was/will be o	confirmed and rechecked:
SECTION 9: INSPECTOR INFORMATION	
Inspector's Name: Payal Khatri	
Title: PROGRAM ASSOCIATE	Affiliation: RCE WATER RESOURCES PROGRAM
Signature: Payal Khatri	Date: 10/29/2025

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Outfall ID: DC037 (7/25/2025)

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the <u>Tier A Guidance</u>

<u>Document</u>.

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

It is required to attach photos of the investigation to this form.

SECTION 1: PERMITTEE INFORMATION				
MS4 Permittee: Hamilton Township	NJP	DES #: NJO	30 <u>150258</u>	3
SECTION 2: OUTFALL SUMMARY INFORMA	ATION			
*If this outfall is newly identifi	ied, be sure to add it to your electron	ic outfall p	ipe map.³	k
Outfall ID: BC022 (previously C603)	Outfall Location Description: 390	1 Crosswick	ks Hamilto	n Square Road
Municipality: Hamilton Township	County:_	Mercer		
Receiving Waterbody: Back Creek				
Describe the type of conveyance(s) that decorrugated pipe, concrete channel, etc.):24" diameter concrete pipe		•		concrete or
If the ultimate discharge into the receiving partially submerged?	• • •		•	ipe fully or  *   ALWAYS*
*If 'Sometimes' or 'Always,' describe subm		tion:		
Wide, slow flow pooling around the out				
If the ultimate discharge into the receiving distance between the end of the last enclo (ft.): N/A	<del>-</del>	-		
Do any other NJPDES permittees discharge	e through this MS4 outfall?	☐ YES*	□ №	□ UNKNOWN
*If 'YES', list Permittee Name(s), NJPDES #	(s), and Location of Connection:			
*if 'VES' place	ase contact your MS4 Case Manag	nor *		

SECTION 3: OUT	FALL INSPECTION			
Date of current inspection: $\frac{08}{28}$ / $\frac{28}{2025}$				
Latest precipitat	Latest precipitation/snowmelt event: $\frac{08}{20}$ / $\frac{20}{2025}$ Amount of Precipitation (in.): $\frac{0.78}{20.78}$			
Date dry weathe	r flow or other evidence of an intermittent illicit discharge was first discovered: $\frac{07}{25}$			
	of previous inspection(s) and describe the actions taken, if applicable:uspicious properties identified, added to list for sampling			
SECTION 4: PHY	SICAL OBSERVATIONS			
-	either partially or fully submerged, dry weather flow observations must be made at the next ream point (e.g. manhole) above the influence of the receiving surface waterbody.			
<b>If applicable:</b> Mo	anhole ID: N/A Approximate distance upstream from outfall (ft.): N/A			
-	nall use the table below to describe 1) the observed dry weather flow and/or 2) when there			
are indications o	f intermittent illicit discharges present.			
	(Potential illicit discharge sources are listed in parentheses.)			
Odor	<ul> <li>None</li> <li>Sewage (stale/septic sanitary wastewater)</li> <li>Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage)</li> <li>Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.)</li> <li>Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.)</li> </ul>			
	□ Other:			
Color	<ul> <li>□ Clear</li> <li>□ Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities)</li> <li>□ Gray (dairies, sewage)</li> <li>□ Yellow (chemical plants, textile and tanning plants)</li> <li>□ Red (meat packers)</li> <li>□ Other:</li> </ul>			
Turbidity	<ul><li>□ Clear</li><li>□ Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers)</li></ul>			
	☐ Opaque (food processors, lumber mills, metal works, pigment plants)			
Floatable Matter (Does not include litter)	Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.  None Sewage (toilet paper, etc.)			
	☐ Suds ☐ Petroleum (oil sheen) ☐ Other:			

Deposits and				
Stains within	non-stormwater discharge			
outfall	□ None			
	☐ Grayish-Black (leather tanneries)			
	☐ White crystalline powder (Nitrogenous fertilizers)			
	■ Excessive sediments (construction sites)			
	<ul><li>□ Oily residues (petroleum refineries, storage facilities, vehicle service areas)</li><li>□ Other:</li></ul>			
Vegetation	As compared to surrounding Riparian bank and/or stream vegetation			
	■ Norma			
	☐ Excessive growth and/or algal presence (Food processing plants)			
	☐ Inhibited Growth (Industrial operation effluent, CAFOs)			
*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.  Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or				
SECTION 5: FIEL	D MONITO	performing dye tests or smoke tests.*		
**FIEIQ C	alibrate ins	truments in accordance with manufacturer's instructions prior to testing.*		
Estimated Dry Weather Flow Rate		The Tier A guidance document recommends taking the estimate flow rate during the physical observations.  O.038 GPM		
Deterge	nts	Potential discharge types include sewage, washwater, industrial or commercial liquid waste		
Examples include and methylene b substances (	olue active	Measurement: ND - Not Detected mg/L		
Temperatur	e of dry	Temperatures >70°F may indicate cooling water discharges depending on the season		
weather dis	=	Measurement: 66.6 °F		
*Proceed to Section 6 in accordance with the Guidance Document recommendations. *				
SECTION 6: DRY	WEATHER	FLOW ANALYSIS - WATER QUALITY		
* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document (https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf).  Indicate the location of your measurements (e.g. outfall, manhole number, etc.):Outfall				

Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	ND - Not Detectedmg/L
Potassium	Sewage, industrial or commercial liquid waste	ND - Not Detectedmg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(FW & PL waters)**		
Enterococci	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
(SC & SE1 waters)**		
Fecal Coliform	Sewage	Count/100 mL
(SE2 & SE3 waters)**		
Fluoride	Distinguishes potable water from natural or irrigation water	ND - Not Detected mg/L
pH of Dry Weather Discharge	Washwater	SU

<sup>\*\*</sup>The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<a href="https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d">https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d</a>) using the layer under 'Water' of 'Surface Water Quality Classification.'

*The investigation is not complete until the source of elimi	the dry weather nated.*	flow is found, and any illicit discharge is
Based on the latest results from the investigation, incl	uding the result	es in Sections 4, 5 and 6, is/was this dry
weather flow from an illicit connection?	☐ YES	$\square$ NO $\square$ INVESTIGATION IS ONGOING
If the investigation has been completed, what was the	e source of the d	dry weather flow or illicit connection?
The source of the dry weather flow is natural or in detected.	rigation water,	no evidence of illicit discharge
·		

Describe the investigation, including the methods that were/will be used to identify the suspected source of the illegal discharge, or conclude there was no illicit discharge, along with the timeline of the steps of the investigation. Attach additional pages if necessary.					
Samples were collected from this outfall on 8/28/2025 and tested for the following parameters: surfactants, potassium, ammonia, and fluoride. None of these parameters were indicative of illicit discharge sources.					
SECTION 8: ILLICIT DISCHARGE ELIMINATION					
f it was an illicit discharge, has the source been eliminated? $\ \square$ YES $\ \square$ NO					
Describe the plan of action that was/will be followed to eliminate the illicit connection. This plan should detail who is/was responsible for the discharge, what methods were/will be used to fix it, how long it took/will take, and how removal was/will be confirmed and rechecked:					
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SECTION 9: INSPECTOR INFORMATION					
nspector's Name: Payal Khatri					
itle: PROGRAM ASSOCIATE Affiliation: RCE WATER RESOURCES PROGRAM					
ignature: Payal Khatri Date: 10/29/2025					