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MEMORANDUM

DATE: 2/12/2025

TO Mr. Michael Carr, Santa Fe County

Ms. Jacqueline Beam, Santa Fe County

FROM: Sarah Ganley, PE, ENV SP

SUBJECT: Santa Fe County MS4 2024 Dry Weather Field Screening Report

Introduction

Bohannan Huston, Inc. (BHI) and Santa Fe County (County) conducted a field visit on December 9, 2024. This field visit included inventory reconnaissance as well as dry weather field screening of identified stormwater outfalls for the County Municipal Separate Storm Sewer System (MS4) jurisdictional areas.

In addition to the sites visited on December 9, 2024, BHI and the County conducted a field visit on February 24, 2022, to look at the County's drainage facilities and potential outfall locations. The locations visited in 2022 would not be included in the County's MS4 dry weather field screening program but were potential locations for future, cooperative wet weather monitoring.

This memo summarizes the County stormwater outfalls visited in December 2024 and the field screening observations. In addition, it includes the recommended outfall sites that should be inspected for the County's MS4 dry weather field screening program.

MS4 Permit and SWMP Requirements

The dry weather field screening meets the requirements in the County's MS4 permit and the Stormwater Management Program (SWMP) Strategy 3.1.2, supporting detecting and eliminating illicit discharges into the stormwater drainage systems within the County, which relates to the 2007 MS4 Permit NMR040000 (2007 MS4 Permit), Section 5.2.3.7, Illicit Discharge Detection and Elimination. This memo completes Task 3 of BHI's Professional Services Agreement for Small MS4 Permit with the County.

The 2007 MS4 Permit, Section 5.2.3.7, Illicit Discharge Detection and Elimination, requires that the County conduct dry weather field screening for non-stormwater flows. The screening must include field tests of selected chemical parameters as indicators of discharge sources if any runoff is detected. Screening level tests may utilize less expensive "field test kits" using test methods not approved by EPA under 40 CFR 136, provided the manufacturer's published detection ranges are adequate for the illicit discharge detection purposes.

The 2024 New Mexico (NM) Strawman MS4 Permit, which is a draft of the proposed MS4 Permit for all of NM, has similar dry weather field screening requirements in Section I.D.4.d.(i)(c), with more details and schedules for the screening than the County's current 2007 MS4 Permit. For example, the 2024 NM Strawman MS4 Permit requires the permittee to screen the entire regulated area at least once every 5 years and high priority areas at least once every year.

Michael Carr and Jacqueline Beam Santa Fe County 2/12/2025 Page 2

The dry weather field screening is one component of the current and proposed MS4 Illicit Discharge and Elimination requirements. In addition to annual and permit term field screening, this field screening process should be followed if and when the County becomes aware of any non-stormwater flows (illicit discharges) within its MS4 jurisdiction.

December 2024 Dry Weather Field Screening Findings

An *Outfall Inventory/Sample Collections Sheet* was completed for each of the locations visited on December 9, 2024. No runoff was noted at any of the locations visited during this dry weather field screening and therefore, no field testing or lab testing of any samples were required. The completed *Outfall Inventory/Sample Collection Field Sheets* are included in an attachment to this memo. BHI used the EsRi Field Maps application during the field visit and photos were collected within this application. The geodatabase, including feature points with the photos from this field visit have been provided to the County.

Tables 1 and 2 summarize the outfall locations visited and documented on December 9, 2024. Table 1 identifies outfall locations that the County should inspect as part of the MS4 dry weather field screening program. These locations are also shown on Figure 1 - Santa Fe County December 2024 MS4 Dry Weather Field Screening Locations (page 4). Table 2 (page 5) identifies locations that do not need regular inspections for this program but are documented as potential future locations to consider if downstream water quality becomes a concern.

Table 1: County Outfall Locations to Inspect for MS4 Dry Weather Field Screening Program

Outfall Number	Latitude	Longitude	Location Description	Arroyo
1	35.5902415°N	106.0892637°W	Low water crossing on Paseo Del Angel South. The County should monitor and remove any sediment buildup on the roadway. Removed sediment should be placed so that it does not reenter the arroyo. The adjacent property has erosion issues on roadway slope. The County should monitor this slope for general roadway maintenance.	Arroyo Hondo
2	35.5910438°N	106.0930474°W	Los Pinos Road bridge crossing. This is within the County MS4 jurisdiction, near the boundary with the City of Santa Fe. This point is located upstream of confluence with Arroyo Hondo.	Arroyo de Los Chamisos
3	35.5911900°N	106.0503904°W	This location is in the County MS4 area and located at the downstream edge of the County's Sustainable Development Area (SDA) 1, an area of increasing development identified as a stormwater management priority area for the County.	Arroyo Hondo

Table 1: County Outfall Locations to Inspect for MS4 Dry Weather Field Screening Program (continued)

Outfall Number	Latitude	Longitude	Location Description	Arroyo
4	35.6152956°N	105.9885633°W	County SE Connector Road, also named Falcon Way. This location has eight (8)-8' x 6' box culverts with two (2) County inlets discharging County roadway runoff to Arroyo Hondo.	Arroyo Hondo
5	35.6090258°N	105.9851024°W	County SE Connector Road, also named Falcon Way. One (1) inlet discharges to an 18-inch culvert and into a tributary to Arroyo Hondo.	Arroyo Hondo
6	35.6073506°N	105.9838180°W	County SE Connector Road, also named Falcon Way. A 36-inch culvert south of College Drive roundabout. Discharge is a tributary of Arroyo Hondo.	Arroyo Hondo
7	35.6052732°N	105.9831607°W	County SE Connector Road, also named Falcon Way. Three (3) inlets connect to the 48-inch culverts under the road and discharge into a tributary to Arroyo Hondo.	Arroyo Hondo
8	35.6025844°N	105.9831294°W	County SE Connector Road, also named Falcon Way. One (1) inlet connects into a 36-inch culvert under the roadway and discharges to the culverts located to the south. This inlet discharges to an unnamed tributary to Rancho Canada, tributary to Arroyo Hondo.	Arroyo Hondo
9	35.5986102°N	105.9831318°W	County SE Connector Road, also named Falcon Way. Two (2) curb inlets located at roundabout. Plans show a second inlet on the northbound lane that was not located in the field. Inlets discharge into 24-inch culvert.	Arroyo Hondo
10	35.5989014°N	105.9931495°W	Inlets into six (6) – 36-inch culverts under Avenida del Sur.	Arroyo Hondo
11	35.5988996°N	105.9956539°W	Inlets into one (1) – 36-inch culvert under Avenida del Sur.	Arroyo Hondo
12	35.5988785°N	105.0009070°W	Inlets discharge to four (4) – 36-inch culverts under Avenida del Sur.	Arroyo Hondo
13	35.6394665°N	106.0694967°W	County Public Works Complex. Culvert outlet from the main ponding area. Outfall location for this pond is currently unknown and County will determine its location.	Santa Fe River

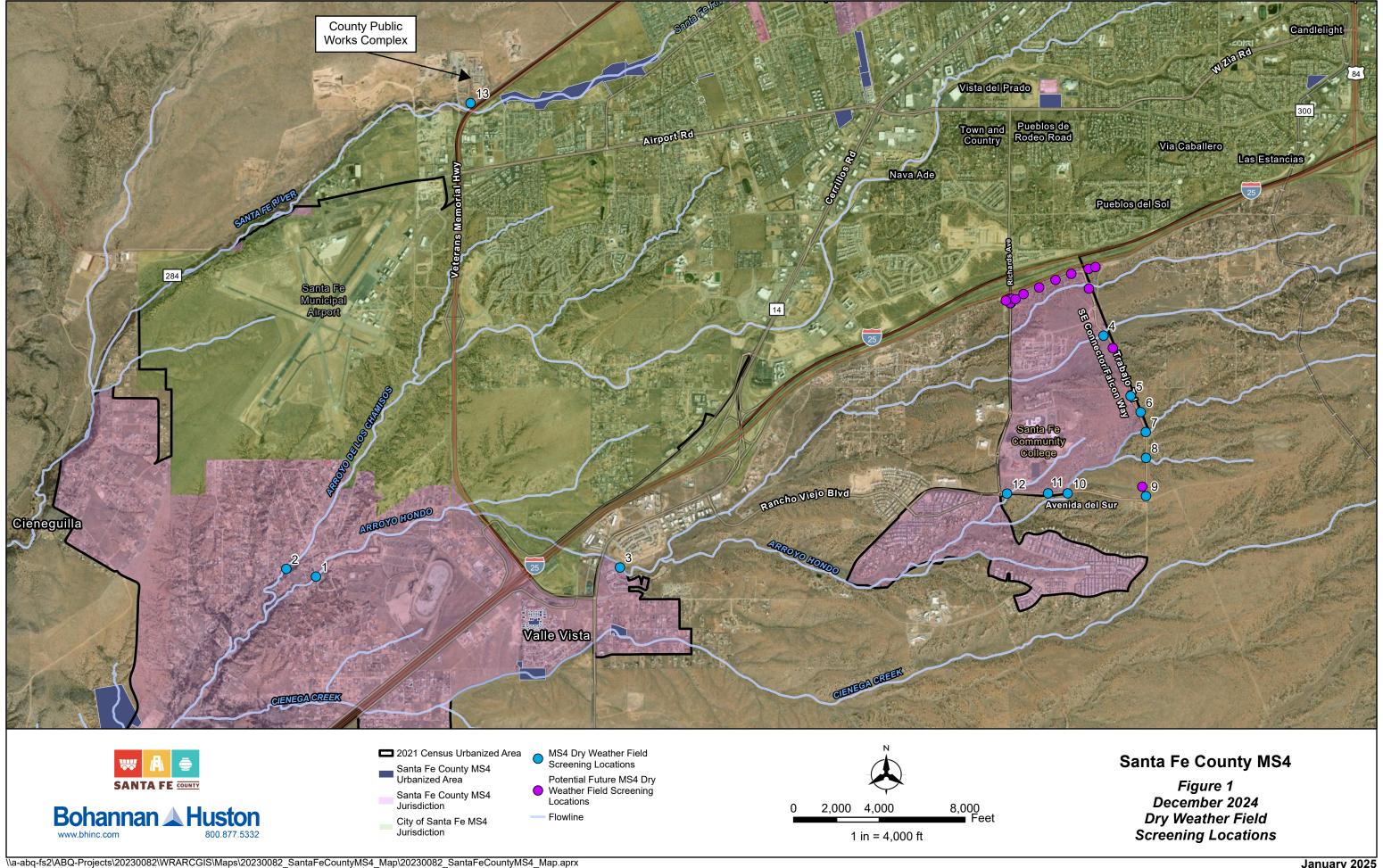


Table 2: Outfall Locations Related Inspections That Do Not Need MS4 Dry Weather Field Screening

Latitude	Longitude	Location Description	Arroyo
35.6127390°N	106.0720767°W	This location is in the City of Santa Fe MS4 jurisdiction and upstream of the County MS4 area by approximately 1.8 miles. This outfall should not be monitored by the County unless there are any downstream water quality issues identified in the future.	Arroyo de Los Chamisos
35.6100415°N	105.9997628°W	This is a permitted wastewater discharge into Arroyo Hondo from the small domestic water system that is located east of Richards Avenue and north of the Santa Fe Community College. This outfall is permitted to Santa Fe Community College through the New Mexico Environment Department (NMED) Groundwater Bureau and BHI did not find any violations reported for this permit. The County does not need to monitor this location. However, if E. coli or nutrients become an issue in future downstream stormwater monitoring, this location could be looked at as a potential source.	Arroyo Hondo

The County provided BHI with the roadway construction plan set for the SE\NE Connectors Road Project, May 2022 (Roadway Plans), after the December 9, 2024 field inspection. Upon review of the Roadway Plans, BHI identified several locations that should be inspected for the MS4 dry weather field screening starting in 2025. Discharge from the locations listed below will reach Arroyo Hondo. The approximate location of the inlets listed below are shown in Figure 1 and have not been assigned outfall numbers. These areas are potential future screening locations that should be located and inspected in 2025 and assigned outfall numbers, if appropriate, at that time.

A. County SE Connector Road, also named Falcon Way

The following inlets were not inspected in 2024, and should be located and inspected in 2025:

- One (1) inlet on west side of roadway, located approximately 725 feet south of Outfall #4. (Inlets into the eight (8) 8' x 6' box culverts). Roadway Plans sheet number 10-28.
- One (1) inlet on west side of roadway, located approximately 2,300 feet north of Outfall #4. (Inlets into the eight (8) 8' x 6' box culverts). Roadway Plans sheet number 10-32.
- Two (2) inlets at roundabout with SE Connector and Avenida del Sur. Roadway Plans sheet number 10-11.

B. County Rabbit Road/NE Connector, Roadway (Plans sheets 10-1 through 10-10)

This area was not investigated in December 2024, and should be located and inspected in 2025:

- There are an estimated four (4) inlets at the Dinosaur Trail/Richards Avenue/Rabbit Road roundabout. Roadway Plans sheets 10-1 and 10-2.
- One (1) inlet on Dinosaur Trail west of the Dinosaur Trail/Richards Avenue/Rabbit Road roundabout. Roadway Plans sheet 10-3.
- There are an estimated seven (7) inlets along Rabbit Road between the Dinosaur Trail/Richards Avenue/Rabbit Road roundabout and SE Connector Road, also named Falcon Way. Some of the locations shown in Figure 1 may have multiple inlets. Roadway Plans sheets 10-4 through 10-10.

Summary and Next Steps

The dry weather field screening meets the requirements in the County's MS4 permit and the SWMP Strategy 3.1.2, supporting detecting and eliminating illicit discharges into the stormwater drainage systems within the County, which relates the 2007 MS4 Permit, Section 5.2.3.7, Illicit Discharge Detection and Elimination. Thirteen (13) locations were identified as dry weather field screening outfalls (Table 1), with the majority of them located along the new County SE Connector Road, also named Falcon Way, and Avenida del Sur. Review of the SE\NE Connectors Roadway Plans provided after the field screening identified up to 13 additional potential locations to consider for dry weather field screening. The County should visit and document these additional locations in 2025.

As the County progresses in developing written MS4 procedures, an Illicit Discharge Detection and Elimination dry weather field screening procedure is recommended and is part of the SWMP strategy 3.1.2 requirement. It is recommended that this procedure include the following:

- 1. Schedule for regular dry weather field screening,
- 2. Timing of outfall dry weather field screening related to antecedent dry period,
- 3. Field screening checklist (already developed with this task and used for this report),
- 4. Procedure for a field screening process to follow if and when the County becomes aware of any non-stormwater flows (illicit discharges) within its MS4 jurisdiction,
- 5. Determination and identification of field tests to use for selected chemical parameters as indicators of discharge sources,
- 6. Procedures to follow if lab analysis is required of any flows identified during the dry weather field screening, and
- 7. Corrective action responses by the County for typical illicit discharges that may be encountered.

SG/ab

Attachment: Completed Outfall Inventory/Sample Collection Field Sheets - December 9, 2024



Date: 12/9/2	.4		Time: 1:30 P	M	
Investigators: Mad	nael Carr (SFC), Brickmar	1 House (s	FC) Such (Last 48 hours: 0'	Sanley (BH)
Air Temperature (°F)					
Latitude: 35,617	2739°N	Longitude: 106,072077°W GPS Unit:			20,000
Land Use in Drainag	e Area (Check all that ap	oply):		ESK.4- TH	- wachs
☐ Industrial		≱ Ope	en Space		
☐ Ultra-Urban Resi	dential	□ Inst	itutional		
Suburban Reside	ential (upstream)	Other:			
☐ Commercial		Knowr	Industries:		
Not in	los Chamis	os, first h irea, No n	154 inspect	ion by County onitor this o	innually,
LOCATION	CTION 2: OUTFALL DESCRIPTION		SHAPE		CUDIMEDOED
	MATERIAL	SHA	APE	DIMENSIONS (IN.)	SUBMERGED
NMDOT 599 A Closed Pipe box Culwerts	MATERIAL RCP CMP PVC HDPE Steel Other:	☐ Circular ☐ Elliptical ☐XBox ☐ Other:	☐ Single ☐ Double ☐ Triple ☐ Other: ☐	Diameter/Dimensions: NM DUT Therastructure Did not Measure	In Water: No
NMDOT 699 A Closed Pipe	RCP CMP PVC HDPE Steel	☐ Circular ☐ Elliptical ☐XBox	□ Single □ Double □ Triple □ AOther: 1	Diameter/Dimensions: NM DUT Infrastructure Did not	In Water: X No Partially Fully With Sediment: X No Partially
NMDOT 599 A Closed Pipe box Cullwerts	RCP CMP PVC HDPE Steel Other: Concrete Earthen Rip-rap	☐ Circular ☐ Elliptical ☐X Box ☐ Other: ☐ Trapezoid ☐ Parabolic: ☐ Other:	□ Single □ Double □ Triple □ AOther: 1	Diameter/Dimensions: NM DOT The Frastructure Did not Measure Depth: Top Width:	In Water: X No □ Partially □ Fully With Sediment: X No □ Partially

SECTION 3: QUANTITATIVE CHARACTERIZATION N/A

	FIELI	D DATA FOR FLOWING OU	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
Volume			Liter	Bottle
☐ Flow #1	Time to fill		Sec	L =
	Flow depth		In	Tape measure
	Flow width	i n	Ft, In	Tape measure
☐ Flow #2	Measured length	i n	Ft, In	Tape measure
	Time of travel		S	Stop watch
Wate	er Temperature		°F	Thermometer
7701	pH		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
(Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY N/A - No FlowAre Any Physical Indicators Present in the Flow? Yes No (If No, skip to Section 5) INDICATOR CHECK IF DESCRIPTION

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1 – 3)		
Odor		☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from a
Color		☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity		See severity	□ 1 – Slight cloudiness	□ 2 – Cloudy	□ 3 – Opaque
Floatables – Does Not Include Trash!		☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALLS

Are Physical Indicators That Are Not Related to Flow Present?

Yes No (If No, skip to Section 6)

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Outfall Damage		☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains		□ Oily □ Flow Line □ Paint □ Other:	
Abnormal Vegetation		☐ Excessive ☐ Inhibited	
Poor Pool Quality		☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe Benthic Growth (bacteria and algae)		□ Brown □ Orange □ Green □ Other:	

SECTION 6: OVERALL OUTFALL CHARACTERIZATION FOR POTENTIAL ILLICIT DISCHARGE CONCERNS

∠ Unlikely	☐ Potential (presence of two or more inc	dicators)
☐ Suspect (or	ne or more indicators with a severity of 3)	□ Obvious

SECTION 7: DATA COLLECTION WA

1.	Sample for the lab?	□ Yes	□ No
2.	If yes, collected from:	□ Flow	□ Pool

SECTION 8: ANY NON-ILLICIT DISCHARGE CONCERNS (e.g., trash or needed infrastructure repairs)?

This location is in City of Santa Fe MSY jursidiction. This is upstream of the County MSY area (approx. 1.8 miles). This outfall should not be manitored by the County unless there is a downstream issue & you need to trace your way upstream to investigate



SECTION 1: BACKGROUND DATA

Date: 12 / 9 / 2			Time: 1:50		
Date. 12 4 2	ael Carr (SFC)	Brickman		() Savah Gante	ey (BHI)
		Rainfall (in.): Las	st 24 hours:	Savah Gante Last 48 hours: 0"	5
Air Temperature (°F)	10 1	ongitude: 106			
Latitude: 35, 59 0			00.1-0.		
	e Area (Check all that ap		en Space		
☐ Industrial	40.00		titutional		
☐ Ultra-Urban Resi					
Suburban Reside	ential ruval vesid	other:	1. 1. 1.1.2.		
☐ Commercial		Knowr	n Industries:		
Notes (e.g., origin of	f outfall, if known):				1
Hondo Arro	No low water	Crossing in	County M	Starea. Paseo de uny slope.	Angel S.
Attacast Dec	neity has eves	ion issues	on road u	voy slope.	
ECTION 2: OUTE	ALL DESCRIPTION				
	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
LOCATION	□ RCP □ CMP	☐ Circular	☐ Single	Diameter/Dimensions:	In Water: XNo □ Partially
	□PVC □HDPE	□ Elliptical	□ Double		□ Fully
☐ Closed Pipe	□ Steel	□ Box	☐ Triple		With Sediment:
		☐ Other:	☐ Other:		No ☐ Partially
	☐ Other:	LI Other			☐ Fully
	☐ Concrete	☐ Trapezoid		Depth:	Isediment had been
☑ Open Drainage	Doved road Rip-rap	☐ Parabolic:		Top Width:	cleared of
	☐ Other:	☐ Other:	-	Bottom Width:	icades y,
Flow Present?	☐ Yes 💢 No	(If No, ski	p to Section 5)		
Flow Description (If present)	☐ Trickle ☐ Moder	rate □ Substa	ntial		

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIELD	D DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	-
	Flow depth		In	Tape measure
+	Flow width	, i	Ft, In	Tape measure
☐ Flow #2	Measured length		Ft, In	Tape measure
	Time of travel		S	Stop watch
)0/at	er Temperature		°F	Thermometer
vvau			pH Units	Test strip / Probe
	pH Ammonia		mg/L	Test strip
	DO		mg/L	
	Conductivity		uS/cm	



INDICATOR	CHECK IF PRESENT		DESCRIPTION	RELATIVE SEVERITY INDEX (1 – 3)			
Odor			fide	□ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from distance	
Color	Color Grant		- City - Tellow	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible i	
Turbidity			See severity	☐ 1 – Slight cloudiness	□ 2 – Cloudy	□ 3 – Opaque	
Floatables – Does Not Include Trash!			vage (toilet paper, etc.) Suds roleum (oil sheen) Other:	□ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin cle (e.g., obvious o sheen, suds, or floating sanitary materials)	
e Physical Indica	tors That Are	Not Rel	OR BOTH FLOWING AND NON-FLOWING OU lated to Flow Present? DESCRIPTION	TFALLS (If No, skip to Section 6)	COMMEN [*]	re	
Outfall Damag	Outfall Damage		☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion		10		
Deposits/Stain	is		☐ Oily ☐ Flow Line ☐ Paint ☐ Other:				
Abnormal Vegeta	ition		☐ Excessive ☐ Inhibited				
Poor Pool Qual			☐ Odors ☐ Colors ☐ Floatables ☐ Oil☐ Suds ☐ Excessive Algae ☐ Other:	Sheen			
Pipe Benthic Gro			☐ Brown ☐ Orange ☐ Green ☐ Other:				
(bacteria and alg							
CTION 6: OVER LLICI Unlikely	Potential (pres	ence of	two or more indicators)	1. Sample fo		□ No	
CTION 6: OVER LLICI Unlikely	Potential (pres	ence of t	two or more indicators) everity of 3) Obvious	 Sample for If yes, coll 	or the lab?		
CTION 6: OVER LLICI Unlikely D Suspect (one or n	Potential (pres	ence of twith a se	two or more indicators)	Sample for 2. If yes, coll	or the lab?	□ No	



SECTION 1: BACKGROUND DATA

SECTION 1: BACKGROUND DATA	1:60			
Date: 12/9/24	Time: [155			
Investigators: Michael Carr (GFC)	Brickman House (SFC), Sarah (Santey (BHI)			
Air Temperature (°F)	nfall (in.): Last 24 flours.			
Latitude: 35,591044 °N Lor	ngitude: 106,093047°W GPS Unit: ESRI field maps			
Land Use in Drainage Area (Check all that apply):			
□ Industrial	☐ Open Space			
☐ Ultra-Urban Residential	☐ Institutional			
Suburban Residential - Tural residen	tial Other:			
□ Commercial	Known Industries:			
Notes (e.g., origin of outfall, if known):	D DI BIL			
Arroyo de los Chamisos.	Los Pinos Rd. Bridge crossing,			
A. I has conduince war	k on this bridge (in 2025)?			

County has opening a SECTION 2: OUTFALL DESCRIPTION

	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
LOCATION □ Closed Pipe	□ RCP □ CMP □ PVC □ HDPE □ Steel □ Other:	☐ Elliptical ☐ Box ☐	☐ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open Drainage	Concrete bridge Earthen Channel Rip-rap Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:		Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes 📉 No	(If No, skip to	Section 5)		
Flow Description (If present)	☐ Trickle ☐ Mode	rate ☐ Substantia			

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIEL	D DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	
	Flow depth		In	Tape measure
	Flow width	1	Ft, In	Tape measure
☐ Flow #2	Measured length	, n	Ft, In	Tape measure
	Time of travel		S	Stop watch
10/oto	The state of the s		°F	Thermometer
vvate	er Temperature		pH Units	Test strip / Probe
	pH Ammonia		mg/L	Test strip
	Ammonia DO		mg/L	
(Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY NA/No Flow

INDICATOR	CHECK IF PRESENT		DESCRIPTION	IOW? Yes No (If No, skip to Section 5) DESCRIPTION RELATIVE SE			
Odor		☐ Sev	fide	□ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from	
Color		☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ 1 – Faint colors in sample bottle			☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow	
Turbidity			See severity	☐ 1 - Slight cloudiness	□ 2 – Cloudy	☐ 3 – Opaque	
Floatables – Does Not Include Trash!		☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other: ☐ 1 – Few/slight; origin not obvious		☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Opaque □ 3 – Some; origin clea (e.g., obvious oil sheen, suds, or floating sanitary materials)		
re Physical Indica	CHE	Not Rel		TFALLS (If No, skip to Section 6)			
Outfall Damag		SENT	DESCRIPTION ☐ Spalling, Cracking or Chipping ☐ Peeling ☐ Corrosion	Paint	COMMEN.	TS	
Deposits/Stain	is [☐ Oily ☐ Flow Line ☐ Paint ☐ Other:				
Abnormal Vegeta	tion [□ Excessive □ Inhibited				
Poor Pool Qual		1	☐ Odors ☐ Colors ☐ Floatables ☐ Oil☐ Suds ☐ Excessive Algae ☐ Other:	Sheen			
	wth]	☐ Brown ☐ Orange ☐ Green ☐ Other:				
Pipe Benthic Gro (bacteria and alg	ae)						
(bacteria and alg	ALL OUTFALL T DISCHARGE	CONC		SECTION 7: E	DATA COLLECTION N/A		
(bacteria and algorithms (bacteria and algorithms) CTION 6: OVER ILLICI Unlikely	ALL OUTFALL T DISCHARGE Potential (prese	CONC ence of t	two or more indicators)	Sample f	DATA COLLECTION N/A for the lab? □ Yes	□ No	
(bacteria and alg	ALL OUTFALL T DISCHARGE Potential (presented indicators v	ence of t	two or more indicators) everity of 3) Obvious	 Sample f If yes, co 	or the lab?	□ No	
(bacteria and alg	ALL OUTFALL T DISCHARGE Potential (presented indicators v	ence of to with a se	two or more indicators)	1. Sample fi 2. If yes, co	or the lab?		



SECTION 1: BACKGROUND DATA

ECTION I. BACK	GROUND DATA				
Date: 12/9	24		Time: 2:00		
Investigators: Mic	hael Carr GFC) Brickma	un House G	FC) Savah Gau Last 48 hours: 0	nley (BHI)
Air Temperature (°F)	46°F	Rainfall (in.): L	ast 24 hours: O'		
Latitude: 35,59 II		Longitude: 106	,05639°W	GPS Unit: ESRI	field maps
	ge Area (Check all that a	oply):			
☐ Industrial			pen Space		
☐ Ultra-Urban Resi	idential	□ In	stitutional		
Suburban Resident	ential	Othe	er:		
☐ Commercial		Knov	wn Industries:		
developing	do in County topementy areas. ALL DESCRIPTION	Area. Area	a is downs	downstream edg tream of lots	of april
LOCATION	MATERIAL	S	HAPE	DIMENSIONS (IN.)	SUBMERGED
□ Closed Pipe	□ RCP □ CMP □ PVC □ HDPE □ Steel □ Other:	☐ Circular ☐ Elliptical ☐ Box ☐ Other:	☐ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions:	In Water:
Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:		Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes 🕱 No	(If No, si	kip to Section 5)		
Flow Description		rate □ Subst	The same		

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIELD	DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	-
	Flow depth		In	Tape measure
	Flow width	, ,,	Ft, In	Tape measure
☐ Flow #2	Measured length	ı "	Ft, In	Tape measure
	Time of travel		S	Stop watch
Wate	er Temperature		°F	Thermometer
Yvan	pH		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
	Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY NA-No Flow Are Any Physical Indicators Present in the Flow? Yes (If No, skip to Section 5) ☐ No CHECK IF INDICATOR DESCRIPTION PRESENT RELATIVE SEVERITY INDEX (1 - 3) □ Sewage ☐ Rancid/sour □ Petroleum/gas Odor ☐ 3 - Noticeable from a ☐ 1 - Faint □ Sulfide □ 2 – Easily detected ☐ Other: distance ☐ Clear ☐ Brown ☐ Gray ☐ Yellow Color ☐ 1 - Faint colors in □ 2 – Clearly visible in □ 3 – Clearly visible in ☐ Green ☐ Orange ☐ Red Other: sample bottle sample bottle outfall flow Turbidity See severity □ 1 – Slight cloudiness ☐ 2 - Cloudy ☐ 3 - Opaque □ 3 – Some; origin clear Floatables -□ 2 – Some: indications ☐ Sewage (toilet paper, etc.) ☐ Suds Does Not Include □ 1 – Few/slight; origin (e.g., obvious oil of origin sheen, suds, or Trash! ☐ Petroleum (oil sheen) not obvious ☐ Other: (e.g., possible suds floating sanitary or oil sheen) materials) SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALLS Are Physical Indicators That Are Not Related to Flow Present? ☐ Yes No. (If No, skip to Section 6) CHECK IF INDICATOR DESCRIPTION PRESENT COMMENTS ☐ Spalling, Cracking or Chipping ☐ Peeling Paint Outfall Damage ☐ Corrosion Deposits/Stains □ Oilv ☐ Flow Line ☐ Paint ☐ Other: Abnormal Vegetation □ Excessive □ Inhibited □ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen Poor Pool Quality ☐ Suds ☐ Excessive Algae ☐ Other: Pipe Benthic Growth ☐ Brown ☐ Orange □Green ☐ Other: (bacteria and algae) SECTION 6: OVERALL OUTFALL CHARACTERIZATION FOR POTENTIAL ILLICIT DISCHARGE CONCERNS SECTION 7: DATA COLLECTION N/A Unlikely ☐ Potential (presence of two or more indicators) Sample for the lab? ☐ Yes □ No ☐ Suspect (one or more indicators with a severity of 3) □ Obvious 2. If yes, collected from: ☐ Flow ☐ Pool SECTION 8: ANY NON-ILLICIT DISCHARGE CONCERNS (e.g., trash or needed infrastructure repairs)? Lots of development is and will occur upstraum of hore. This is a good location to monitor Ix per year.



Date: 12/4	124		Time: 2:15/		
Investigators: Mic	hael Carr (SF	-C) Brick	mun House (SFC) Savah C Last 48 hours: C	san hey (BHLI
Air Temperature (°F)	48°F	Rainfall (in.): L	ast 24 hours:		
Latitude: 35,61	NIPOD	Longitude: 05	999763°W	GPS Unit: ESPI	field maps
Land Use in Drainag	ge Area (Check all that ap	oply):			
☐ Industrial		XO	pen Space		
☐ Ultra-Urban Res	idential	□ In	stitutional		
☐ Suburban Resid	ential	Othe	er:		
☐ Commercial		Know	vn Industries:		
burstean	er System, Co sampling (f FALL DESCRIPTION	unty obes	s not need s any pollu this area o	nu) outface for to Manitor Hant concen as a potenti	s-then a al source
ECTION 2. OUT	ALL BLOOKIN HOL				
LOCATION	MATERIAL		HAPE	DIMENSIONS (IN.)	SUBMERGED
				THE RESERVE AND ADDRESS OF THE PARTY OF THE	The second secon
LOCATION NIMED Permitted Closed Pipe Wastewater dischange	MATERIAL RCP CMP PVC HDPE Steel	☐ Circular ☐ Elliptical ☐ Box	HAPE □ Single □ Double □ Triple □ Other:	DIMENSIONS (IN.)	SUBMERGED In Water: No Partially Fully With Sediment: No Partially
LOCATION NIMED Permitted Closed Pipe Wastewater discharge From SFCC	MATERIAL RCP CMP PVC HDPE Steel Other: Concrete Earthen Rip-rap	Circular Circul	HAPE □ Single □ Double □ Triple □ Other:	DIMENSIONS (IN.) Diameter/Dimensions: Depth: Top Width:	SUBMERGED In Water: No Partially Fully With Sediment: No Partially

SECTION 3: QUANTITATIVE CHARACTERIZATION - N/A

	FIELD	DATA FOR FLOWING OL	JTFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
2.50-000	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	144
	Flow depth		ln	Tape measure
	Flow width	3 31	Ft, In	Tape measure
☐ Flow #2	Measured length		Ft, In	Tape measure
	Time of travel		S	Stop watch
Wate	er Temperature		°F	Thermometer
	рН		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	4
C	Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	CHECK IF PRESENT		DESCRIPTION	Section 5) N/A - W	RELATIVE SEVERITY INDEX (1 – 3)			
Odor		☐ Sew ☐ Sulfi	3-4	□ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from distance		
Color		☐ Clea		☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow		
Turbidity			See severity	☐ 1 – Slight cloudine	ss 🗆 2 – Cloudy	☐ 3 – Opaque		
Floatables – Does Not Include Trash!	О		rage (toilet paper, etc.) ☐ Suds oleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; orig	in 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin cle (e.g., obvious oi sheen, suds, or floating sanitary materials)		
re Physical Indica	ators That Are	Not Rela	OR BOTH FLOWING AND NON-FLOWING OU ated to Flow Present?	UTFALLS (If No, skip to Section 6)	COMMEN	TS		
Outfall Damag			☐ Spalling, Cracking or Chipping ☐ Peelin☐ Corrosion	g Paint		***		
Deposits/Stair	ns		☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	:				
	tion 3	K	∑ Excessive ☐ Inhibited	6	Because of discharge	de - there is		
Abnormal Vegeta	ation			Oil Sheen and other was types of typical in arid clien		owth. Cat tai		
Abnormal Vegeta				il Sheen	ind other usq. It	ypes not		
	lity				ind other uses t	ypes not		



ECTION T. BACK	GROUND DATA				
Date: 12/9/7	24		Time: 213c	pm	0 (0
Investigators: Vic	hael Carr LS	FCI Brick	man House	e (SFC), Sarah	Cantay Bt
Air Temperature (°F)	98 F	Mairiai (III.).	St 24 Hours.		
Latitude: 35°, 61°	5296° N	Longitude: (05,9	88563°W	GPS Unit: ESIZ	I field mag
Land Use in Drainag	ge Area (Check all that ap	oply):			
☐ Industrial		⊠ Ор	en Space		
☐ Ultra-Urban Resi			titutional		
Suburban Reside	ential-vuval resid	Lontial Other			
☐ Commercial			n Industries:		
	(SE CON	- H	- Folot	ets into Arrand and outfall : Least 1 x Pige	should be
LOCATION	MATERIAL	SH	APE	DIMENSIONS (IN.)	SUBMERGED
				Diameter/Dimensions:	In Water:
Closed Pipe B-CBC'S Crossing	RCP CMP PVC HDPE Steel Other:	☐ Circular ☐ Elliptical ☑ Box ☐ Other:	□ Single □ Double □ Triple A Other:	8' × 6' STEE Plan Set Sheet 10-29	'X No □ Partially □ Fully With Sediment: X No □ Partially □ Fully
B-CBC's grossing	□ PVC □ HDPE □ Steel	□ Elliptical	□ Double □ Triple A Other:	8' x 6' The	☐ Partially ☐ Fully With Sediment: ※No ☐ Partially
8-CBC's crossing /12 intests	□ PVC □ HDPE □ Steel □ Other: □ Concrete □ Earthen □ Rip-rap	☐ Elliptical ☐ Box ☐ Other: ☐ Trapezoid ☐ Parabolic: ☐ Other:	□ Double □ Triple A Other:	8' × 6' TOBS Plan Set Sheet 10-29 Depth: Top Width:	□ Partially □ Fully With Sediment: ※No □ Partially

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIELD	DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	
	Flow depth		In	Tape measure
	Flow width	n n	Ft, In	Tape measure
☐ Flow #2	Measured length	, u	Ft, In	Tape measure
	Time of travel		S	Stop watch
Wate	er Temperature		°F	Thermometer
· ·	рН		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
(Conductivity		uS/cm	



INDICATOR	CHECK IF PRESENT				LATIVE SEVERITY INDEX (1 – 3)	
Odor		☐ Sev	= 1 caroleaningas	□ 1 – Faint	☐ 2 – Easily detected	□ 3 – Noticeable from distance
Color		☐ Cle	a clay a reliow	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity			See severity	☐ 1 – Slight cloudiness	□ 2 – Cloudy	□ 3 – Opaque
Floatables – Does Not Include Trash!	ā	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ 1 - ☐ Petroleum (oil sheen) ☐ Other:		☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin clea (e.g., obvious oil sheen, suds, or floating sanitary materials)
INDICATOR	CHE	CK IF SENT	DESCRIPTION	No, skip to Section 6)	COMMENT	rs
INDICATOR					COMMENT	rs
Outfall Damag			☐ Spalling, Cracking or Chipping ☐ Peeling Pa☐ Corrosion	aint	No concerns w/ Some concern Prosion-villing	dischango -
Deposits/Stair	ns		☐ Oily ☐ Flow Line ☐ Paint ☐ Other:		Some concur	ul slope
Abnormal Vegeta	ation		□ Excessive □ Inhibited		erosion-villing	a. Newlyn
Poor Pool Qua			☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sh☐ Suds ☐ Excessive Algae ☐ Other:	ieen	Constructed.	3
			☐ Brown ☐ Orange ☐ Green ☐ Other:	1	~	
Pipe Benthic Gro (bacteria and alg	jae)					
(bacteria and alg	ALL OUTFAL T DISCHARGI	CONC		SECTION 7: D	ATA COLLECTION N/A	
(bacteria and alg	ALL OUTFAL T DISCHARGE Potential (pres	ence of	two or more indicators)	SECTION 7: D 1. Sample for		No □ No



SECTION 1: BACKGROUND DATA

Date: 12/9	124		Time: 214		-17
Investigators: M;	hael Carr C	SFC), San	ah Ganle	y (BHI) Brick	man House
Air Temperature (°F)	-03		Last 24 hours: 0"	Last 48 hours:	0"
Latitude: 35, 60°	1026°N	Longitude: 105	5985102°W	GPS Unit: CSC	I field wa
Land Use in Drainag	ge Area (Check all that a	pply):			
☐ Industrial		X	Open Space		
☐ Ultra-Urban Res	idential		nstitutional		
Suburban Resid	ential-rural res.	Oth	er:		
☐ Commercial		Kno	wn Industries:	151	
SE Connact Channel, P		Arcoun H	ando to 1	ve (future) colinect outfall s to tribute north. iwage holes in	
SECTION 2: OUTF	ALL DESCRIPTION .	- ALSO Mai	NY COND CHA	1 4	1 Code
LOCATION	MATERIAL		HAPE	DIMENSIONS (IN.)	SUBMERGED
LOCATION	MATERIAL RCP CMP PVC HDPE Steel	Circular Elliptical Box	FA Single □ Double □ Triple	DIMENSIONS (IN.) Diameter/Dimensions:	SUBMERGED In Water: No Partially Fully With Sediment: No Partially
LOCATION AClosed Pipe	MATERIAL RCP CMP PVC HDPE Steel Other:	SCircular Elliptical Box Other: Trapezoid Parabolic: Other:	FA Single □ Double □ Triple	DIMENSIONS (IN.) Diameter/Dimensions: 18'' Depth: Top Width:	SUBMERGED In Water: No Partially Fully With Sediment: No Partially

SECTION 3: QUANTITATIVE CHARACTERIZATION NIA

FIELD DATA FOR FLOWING OUTFALLS							
PA	RAMETER	RESULT	UNIT	EQUIPMENT			
	Volume		Liter	Bottle			
☐ Flow #1	Time to fill		Sec	1.40			
	Flow depth		In	Tape measure			
272000.00	Flow width	* **	Ft, In	Tape measure			
☐ Flow #2	Measured length		Ft, In	Tape measure			
	Time of travel		S	Stop watch			
Wate	er Temperature		°F	Thermometer			
	pH		pH Units	Test strip / Probe			
	Ammonia		mg/L	Test strip			
	DO		mg/L				
	Conductivity		uS/cm				



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	CHECK IF PRESENT				RELA	LATIVE SEVERITY INDEX (1 – 3)		(1 – 3)	
Odor		☐ Sewa	ulfide □ Other: □ 1 – Faint			□ 2 – Easily o	detected	□ 3 – Noticeable from distance	
Color		☐ Clea	- I - Faill Colors in			□ 2 – Clearly sample		☐ 3 – Clearly visible in outfall flow	
Turbidity			See severity □ 1 – Slight cloudiness		iness	□ 2 – Cloudy		□ 3 – Opaque	
Floatables – Does Not Include Trash!	0		age (toilet paper, etc.) Suds Sleum (oil sheen) Other:		☐ 1 – Few/slight; origin not obvious ☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)			n ossible suds	□ 3 – Some; origin cle (e.g., obvious oil sheen, suds, or floating sanitary materials)
			OR BOTH FLOWING AND NON- ated to Flow Present? Yes		TFALLS (If No, skip to Section	n 6)			
INDICATOR	CHE	CK IF	DESC	RIPTION	- 1			COMMEN	TS
	CHE PRE	SENT	DESCI ☐ Spalling, Cracking or Chipping ☐ Corrosion	RIPTION □ Peeling	g Paint			s with	discharge.
INDICATOR	CHE PRE	SENT	☐ Spalling, Cracking or Chipping	☐ Peeling		Ne	why con	s with struct	discharge. ed and evosion a
Outfall Damag	CHE PRE	SENT	☐ Spalling, Cracking or Chipping ☐ Corrosion	☐ Peeling		Cor	why con corns	s with structor with	ed and evosion a locations
Outfall Damag	R CHE PRE	SENT	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Oily ☐ Flow Line ☐ Pai ☐ Excessive ☐ Inhibited ☐ Odors ☐ Colors ☐ Float	☐ Peeling		Cor cor cor cor	why concerns of oral roam	s with structor with rage dway	discharge. ed and evosion a locations (College Dr
Outfall Damag Deposits/Stair Abnormal Vegeta	che PRE ge sation stity	SENT	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Oily ☐ Flow Line ☐ Pai ☐ Excessive ☐ Inhibited ☐ Odors ☐ Colors ☐ Float	☐ Peeling int ☐ Other: atables ☐ Oi ☐ Other:	I Sheen	Cor Cor Cor Cor Cor Cor Cor Cor Cor Cor	why concerns of oral roam	s with structor with rage dway	discharge. ed and evosion a locations
Deposits/Stair Abnormal Vegeta Poor Pool Qual Pipe Benthic Gro (bacteria and alg	ge che pre de che pre	SENT	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Oily ☐ Flow Line ☐ Pai ☐ Excessive ☐ Inhibited ☐ Odors ☐ Colors ☐ Floa ☐ Suds ☐ Excessive Algae ☐ Brown ☐ Orange ☐ Green	☐ Peeling int ☐ Other: atables ☐ Oi ☐ Other: een ☐ Other	I Sheen	Cor Cor Cor Cor Cor Cor Cor Cor Cor Cor	why con corns no drain no roa runinati	s with structor with rage dway ion. My	discharge. ed and evosion a locations (College Dr
Deposits/Stair Abnormal Vegeta Poor Pool Qual Pipe Benthic Gro (bacteria and alg	ge ge ation lity with gae) RALL OUTFAL T DISCHARG	L CHAR E CONC	□ Spalling, Cracking or Chipping □ Corrosion □ Oily □ Flow Line □ Pai □ Excessive □ Inhibited □ Odors □ Colors □ Floa □ Suds □ Excessive Algae □ Brown □ Orange □ Gree ACTERIZATION FOR POTENTIAL ERNS wo or more indicators)	☐ Peeling int ☐ Other: atables ☐ Oi ☐ Other: een ☐ Other	I Sheen	Ne Cor Cor Cor Sh Fa	why concerns of road in a could i	s with structor with rage dway ion. My	discharge. ed and evosion a locations (College Dr



SECTION 1: BACKGROUND DATA

SECTION 1: BACKGROUND DATA		Time: 2150 P	Μ
Date: 12/9/24		Time: 21.20p.	CTIC DE LOUT
Investigators: Michael Carr	(SFC), t	rickman House C	SFC), Savah Ganley (BHI)
Air Temperature (°F) 48° F	Rainfall (in		Last 48 hours: O"
Latitude: 35, 60 7351° N	Longitude	105.983818°W	GPS Unit: ESRI field Map
Land Use in Drainage Area (Check all tha	t apply):		
☐ Industrial			
☐ Ultra-Urban Residential		☐ Institutional	
X Suburban Residential-TUVal ves	bid	Other:	
□ Commercial		Known Industries:	
Notes (e.g., origin of outfall, if known):	0.0	College De Munda	bout. I Inlet - 36" culved ga creek,
SE Connector-Falcon	lay S. of	Lover of Cienes	ga creek,
outtain, Discharges T	E DO	ian set-sheet 1	10-21

SECTION 2: OUTFALL DESCRIPTION

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	In Water: No Partially Fully With Sediment: XNo Partially Fully
LOCATION Closed Pipe	□ RCP		e <u>26</u>	
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:	Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes ☐ No	(If No, skip to Section	1 5)	
Flow Description (If present)	☐ Trickle ☐ Mode	rate ☐ Substantial		

SECTION 3: QUANTITATIVE CHARACTERIZATION NIA

	FIELD	DATA FOR FLOWING OL	JTFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	••
	Flow depth		In	Tape measure
	Flow width _	, n	Ft, In	Tape measure
☐ Flow #2	Measured length	i n	Ft, In	Tape measure
	Time of travel		S	Stop watch
Moto	er Temperature		°F	Thermometer
vvate			pH Units	Test strip / Probe
	pH Ammonia		mg/L	Test strip
	DO		mg/L	
	Conductivity		uS/cm	



INDICATOR	CHECK IF PRESENT		DESCRIPTION (If No, skip to		LATIVE SEVERITY INDEX	(1 – 3)
Odor		☐ Sev	= 1 oli oliculii gus	□ 1 – Faint	☐ 2 – Easily detected	□ 3 – Noticeable from
Color		☐ Clea	_ city _ reliow	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	distance □ 3 – Clearly visible in
Turbidity			See severity	☐ 1 – Slight cloudiness	□ 2 – Cloudy	outfall flow
Floatables – Does Not Include Trash!			vage (toilet paper, etc.) ☐ Suds roleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	□ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin cle (e.g., obvious oil sheen, suds, or floating sanitary materials)
			OR BOTH FLOWING AND NON-FLOWING O	UTFALLS		
INDICATOR	tors That Are	Not Rel	OR BOTH FLOWING AND NON-FLOWING OF ated to Flow Present? DESCRIPTION	UTFALLS (If No, skip to Section 6)	COMMENT	rs
re Physical Indica	CHE PRE	Not Rel	ated to Flow Present? ☐ Yes ☐ No	(If No, skip to Section 6)	COMMENT Newly construct	ed, Concerns
INDICATOR	tors That Are CHE PRE	Not Rel	ated to Flow Present? ☐ Yes ☐ No DESCRIPTION ☐ Spalling, Cracking or Chipping ☐ Peelin	(If No, skip to Section 6)	viewly construct	ed. Concerns de siope
INDICATOR Outfall Damage	cors That Are CHE PRE	Not Rel	ated to Flow Present? ☐ Yes ☐ No DESCRIPTION ☐ Spalling, Cracking or Chipping ☐ Peelin ☐ Corrosion	(If No, skip to Section 6)	Newly construct witroadway sir villing and so	ed. Concerns de stope
INDICATOR Outfall Damage Deposits/Stains Abnormal Vegetat	e [tion [tty [CK IF SENT	DESCRIPTION Spalling, Cracking or Chipping Peeling Corrosion Oily Flow Line Paint Other Excessive Inhibited Odors Colors Floatables	(If No, skip to Section 6) ng Paint	Newly construct witroadway sir villing and so	ed. Concerns de stope ediment in Maintenance
INDICATOR Outfall Damage Deposits/Stains Abnormal Vegetat	e [tion [tty [wth]	CK IF SENT	DESCRIPTION Spalling, Cracking or Chipping Peeling Corrosion Oily Flow Line Paint Other Excessive Inhibited Odors Colors Floatables O	(If No, skip to Section 6) ng Paint iii	viewly construct witroadway sin villing and so cultured outfall Should inspect	ed. Concerns do stope adimont in . Maintenance
INDICATOR Outfall Damage Deposits/Stains Abnormal Vegetat Poor Pool Qualit Pipe Benthic Grov (bacteria and algae)	tors That Are CHE PRE e fition fity wth ae) CHE	CK IF SENT	DESCRIPTION Spalling, Cracking or Chipping Peeling Corrosion Paint Other Excessive Inhibited Odors Colors Floatables Odors Suds Excessive Algae Other: Brown Orange Green Other	(If No, skip to Section 6) ng Paint c: Dil Sheen	viewly construct witroadway sin villing and so culturat outfall Should inspect	ed. Concerns do stope adimont in . Maintenance



SECTION 1: BACKGROUND DATA

ECTION 1: BACK	GROUND DATA				
Data: 10 10	124		Time: 3pm		
Investigators: Mid	nael Carr (S.	FC) Bricking	in House (SFC) Sarah (Last 48 hours: 0	Sanbey (BHI
Air Temperature (°F)	480	Rainfall (in.): Las	t 24 hours: 0"	Last 48 hours:	
Latitude: 35.60	5273°N	Longitude: 105, 9	183161°W	GPS Unit: ESRI	field map
Land Use in Drainag	ge Area (Check all that ap	oply):			
☐ Industrial		Ď Ope	n Space		
☐ Ultra-Urban Res	idential	☐ Insti	tutional		
Suburban Resid	ential-roval res.	Other:_			
☐ Commercial		Known	Industries:		
	foutfall, if known): ctor falcon use (SE Conne	Day-Roadu Plan S	pay Inlet Raveh et sheets	s into Cieve, o Canada 10-17,18,19 \$	ga Creektr 20
LOCATION	MATERIAL	SHA		DIMENSIONS (IN.)	SUBMERGED
Closed Pipe	□ PVC □ HDPE □ Steel □ Other:	☐ Circular ☐ Elliptical ☐ Other:	☐ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 3 in lets- all connect to the 48" coluents under rd.	In Water: StNo □ Partially □ Fully With Sediment: StNo □ Partially □ Fully
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:	-(- (Depth: Top Width: Bottom Width:	
		(IENIa alda	to Section 5)		
Flow Present?	☐ Yes	(If NO, SKIP	to section s)		

SECTION 3: QUANTITATIVE CHARACTERIZATION WIA

	FIELD	DATA FOR FLOWING OL	TFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	
	Flow depth		In	Tape measure
	Flow width	i n	Ft, In	Tape measure
☐ Flow #2	Measured length	, ,	Ft, In	Tape measure
	Time of travel		S	Stop watch
Wate	er Temperature		°F	Thermometer
vac	pH		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
	Conductivity		uS/cm	



INDICATOR	CHECK IF PRESENT		DESCRIPTION	Section 5) N/A	RELATIVE SEVERITY INDEX (1 – 3)		
Odor		☐ Sew ☐ Sulf	= 1 oli olodiningus	□ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from distance	
Color		☐ Clea	= = city = reliew	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow	
Turbidity			See severity	☐ 1 – Slight cloudiness	□ 2 – Cloudy	□ 3 – Opaque	
Floatables – Does Not Include Trash!			vage (toilet paper, etc.) ☐ Suds roleum (oil sheen) ☐ Other:	□ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin clea (e.g., obvious oil sheen, suds, or floating sanitary materials)	
INDICATOR	CHE	CK IF	DESCRIPTION	(If No, skip to Section 6)	COMMEN.		
INDICATOR					COMMEN.	TS	
Outfall Damag	je		☐ Spalling, Cracking or Chipping☐ Peeling☐ Corrosion	111111111	culy constructed ok good. Major		
Deposits/Stair	ns		☐ Oily ☐ Flow Line ☐ Paint ☐ Other:		ccuring on 54	1 Side of	
Abnormal Vegeta	ation		□ Excessive □ Inhibited		uluant crossing		
			☐ Odors ☐ Colors ☐ Floatables ☐ Oil	Sheen	bould to some	F.T. Main tenan	
Poor Pool Qual	lity		[[] 프로그램 : [[] [] [] [] [] [] [] [] [] [] [] [] []		1 100 G 20 3 Dag	^	
Poor Pool Qual Pipe Benthic Gro (bacteria and alg	owth .		☐ Suds ☐ Excessive Algae ☐ Other: ☐ Brown ☐ Orange ☐ Green ☐ Other:		hould thepar		
Pipe Benthic Gro (bacteria and alg ECTION 6: OVER ILLICI	ALL OUTFAL T DISCHARGE	L CHAR	□ Suds □ Excessive Algae □ Other: □ Brown □ Orange □ Green □ Other: RACTERIZATION FOR POTENTIAL EERNS two or more indicators)		ATA COLLECTION √	□ No	



SECTION 1: BACKGROUND DATA

SECTION 1: BACKGROUND DATA	Time: 3:10pm
Date: 12/9/24	GEN BULL STOPPHER (SEC) South Ganley (BH)
Investigators: Michael Cour	(SFC) Brickman House (SFC) Sarah Gan Ley (Bt) Rainfall (in): Last 24 hours: O" Last 48 hours: O"
Air Temperature (°F) 46° F	Rainfall (in.): Last 24 nours.
Latitude: 35, 602584° N	Longitude: 105, 983129° W GPS Unit: EBRI Held Map
Land Use in Drainage Area (Check all th	nat apply):
☐ Industrial	☑ Open Space
☐ Ultra-Urban Residential	☐ Institutional
Suburban Residential - vova ve	es Other:
□ Commercial	Known Industries:
Notes (e.g., origin of outfall, if known):	Nay 2 Inlets into 36" colverts under roadway. Lancho Cavada to Cienega Creek.
SE Connector-falcon	Day to Cavada to Cienega Creek.
unvamed Trib - 40 F	the second control

SECTION 2: OUTFALL DESCRIPTION

Plan sets-sheets 10-13 \$ 10-14

	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
LOCATION	□ RCP	☐ Elliptical ☐ Box ☐	Diameter/Dimensions: 24" from interpolation Triple Other: Under road	POINO
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:	Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes 📆 No	(If No, skip to S	ection 5)	
Flow Description (If present)	☐ Trickle ☐ Mode	rate		

SECTION 3: QUANTITATIVE CHARACTERIZATION N/A

	FIELI	DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	-
Flow depth			In	Tape measure
	Flow width		Ft, In	Tape measure
☐ Flow #2	Measured length	, "	Ft, In	Tape measure
	Time of travel		S	Stop watch
			۰F	Thermometer
VVate	er Temperature		pH Units	Test strip / Probe
	pH Ammania		mg/L	Test strip
	Ammonia		mg/L	
	DO		uS/cm	



INDICATOR	CHECK IF PRESENT	CK IF SENT DESCRIPTION (If No, skip to Section 5) DESCRIPTION			LATIVE SEVERITY INDEX	(1 - 3)
Odor		☐ Sev		□ 1 – Faint	□ 2 – Easily detected	□ 3 – Noticeable from
Color		☐ Cle	- I - Faint cold		☐ 2 – Clearly visible in sample bottle	distance □ 3 – Clearly visible in outfall flow
Turbidity		-	See severity	☐ 1 – Slight cloudiness	□ 2 – Cloudy	□ 3 – Opaque
Floatables – Does Not Include Trash!			vage (toilet paper, etc.) ☐ Suds roleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin clea (e.g., obvious oil sheen, suds, or floating sanitary materials)
INDICATOR	CHE	Not Rel CK IF SENT	DESCRIPTION	(If No, skip to Section 6)	COMMEN.	TS
Outfall Damag	e [☐ Spalling, Cracking or Chipping ☐ Peeling ☐ Corrosion	g Paint	COMMEN	10
Deposits/Stain	s [☐ Oily ☐ Flow Line ☐ Paint ☐ Other:			
	tion		□ Excessive □ Inhibited			
Abnormal Vegeta	LION					
Poor Pool Quali	ity [□ Odors □ Colors □ Floatables □ Oi	l Sheen		
	ty [D01			



SECTION	1:	BACKGROUND	DATA
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Date: 12/9/24		Time: 3:15 p	M (SFC) Savala Gouley (BH-1)	
Date: 12/9/29 Investigators: Michael Cari	(SFC),	Brickman House	SFC) , Savar Bonney (DIH)	
Air Temperature (°F) 46° F	Rainfall ((in.): Last 24 hours: O	Last 40 Hours.	
Latitude: 35.598610° N	Longitud	le: 105,9831329V	GPS Unit: ESKI field map	
Land Use in Drainage Area (Check all t	hat apply):			
☐ Industrial		© Open Space		
☐ Ultra-Urban Residential		☐ Institutional		
Suburban Residential - NUVal Res		Other:		
☐ Commercial		Known Industries:		
Notes (e.g., origin of outfall, if known):		0.	Connect = to 74" culivert	
curb intets @younda	bout on	SE connector.	Connects to ZY" ruled	
NW side of round	10001	501101710011100	od in -12 - shows 2 curb in	

SECTION 2: OUTFALL DESCRIPTION

Plan set sheed 10-12-shows 2 curb inlets

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
♥ Closed Pipe	□ RCP	☑ Circular □ Elliptical □ Box □ Other:	Single Double Triple Other:	Diameter/Dimensions:	In Water: SYNo ☐ Partially ☐ Fully With Sediment: ☐ No SY Partially ☐ Fully
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	hen		Depth: Top Width: Bottom Width:	coluent he Lediment
Flow Present?	☐ Yes 💢 No	(If No, s	kip to Section 5)		
Flow Description (If present)	☐ Trickle ☐ Mode	rate □ Subs	tantial		

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIELD	DATA FOR FLOWING OU	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width	, v	Ft, In	Tape measure
	Measured length) n	Ft, In	Tape measure
	Time of travel		S	Stop watch
Water Temperature			°F	Thermometer
VVal	pH		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
	Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY Are Any Physical Indicators Present in the Flow? Yes □ No (If No, skip to Section 5) NIA CHECK IF INDICATOR DESCRIPTION PRESENT **RELATIVE SEVERITY INDEX (1 - 3)** ☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas Odor ☐ 3 - Noticeable from a ☐ 1 - Faint ☐ Sulfide ☐ 2 - Easily detected ☐ Other: distance ☐ Clear ☐ Brown ☐ Grav ☐ Yellow Color ☐ 1 - Faint colors in ☐ 2 - Clearly visible in ☐ 3 – Clearly visible in ☐ Green ☐ Orange □ Red ☐ Other: sample bottle sample bottle outfall flow Turbidity See severity ☐ 1 - Slight cloudiness □ 2 - Cloudy ☐ 3 - Opaque Floatables -☐ 3 - Some; origin clear ☐ Sewage (toilet paper, etc.) ☐ 2 - Some; indications ☐ Suds Does Not Include ☐ 1 - Few/slight; origin (e.g., obvious oil of origin Trash! ☐ Petroleum (oil sheen) sheen, suds, or ☐ Other: not obvious (e.g., possible suds floating sanitary or oil sheen) materials) SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALLS Are Physical Indicators That Are Not Related to Flow Present? ☐ Yes X No (If No, skip to Section 6) **CHECK IF** INDICATOR DESCRIPTION PRESENT COMMENTS ☐ Spalling, Cracking or Chipping Outfall Damage ☐ Peeling Paint ☐ Corrosion Deposits/Stains П □ Oily ☐ Flow Line ☐ Paint ☐ Other: Abnormal Vegetation ☐ Excessive □ Inhibited ☐ Odors ☐ Colors ☐ Floatables Oil Sheen Poor Pool Quality ☐ Suds ☐ Excessive Algae ☐ Other: Pipe Benthic Growth ☐ Brown ☐ Orange □Green ☐ Other: (bacteria and algae) SECTION 6: OVERALL OUTFALL CHARACTERIZATION FOR POTENTIAL ILLICIT DISCHARGE CONCERNS SECTION 7: DATA COLLECTION N/A Unlikely ☐ Potential (presence of two or more indicators) Sample for the lab? ☐ Yes □ No ☐ Suspect (one or more indicators with a severity of 3) □ Obvious 2. If yes, collected from: ☐ Flow ☐ Pool SECTION 8: ANY NON-ILLICIT DISCHARGE CONCERNS (e.g., trash or needed infrastructure repairs)?



SECTION	1:	BACKGROUND	DATA
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Date: 12/9/24	Time: 3120pm
Investigators: Michael Carr (S	SFU Brickman House (SFO) South Ganty (B
Air Temperature (°F) 46° +	Rainfall (in.): Last 24 hours: " Last 48 hours: "
Latitude: 35,599141° N	Longitude: 105,993261°W GPS Unit: Ersi field maps
Land Use in Drainage Area (Check all that	apply):
☐ Industrial	Open Space
☐ Ultra-Urban Residential	☐ Institutional
Suburban Residential - Tural re	Other:
☐ Commercial	Known Industries:

SECTION 2: OUTFALL DESCRIPTION

Plan Set Sheet 10	-51
SHAPE	DIME

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
♥ Closed Pipe	□ RCP SCMP □ PVC □ HDPE □ Steel □ Other:	□ Single □ Diameter/Dimensions: □ Elliptical □ Double □ Box □ Triple □ Other: □ XOther □	In Water:	
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:	Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes 🕱 No	(If No, skip to Se	ction 5)	
Flow Description (If present)	☐ Trickle ☐ Mode	rate ☐ Substantial		

SECTION 3: QUANTITATIVE CHARACTERIZATION NA

	FIELD	DATA FOR FLOWING OL	ITFALLS	
PA	RAMETER	RESULT	UNIT	EQUIPMENT
	Volume		Liter	Bottle
☐ Flow #1	Time to fill		Sec	24
□ Flow #2	Flow depth		In	Tape measure
	Flow width	1 39	Ft, In	Tape measure
	Measured length	, "	Ft, In	Tape measure
	Time of travel		S	Stop watch
Water Temperature			°F	Thermometer
vvate	pH		pH Units	Test strip / Probe
	Ammonia		mg/L	Test strip
	DO		mg/L	
(Conductivity		uS/cm	



SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY Are Any Physical Indicators Present in the Flow? ☐ Yes (If No, skip to Section 5) A ☐ No CHECK IF INDICATOR DESCRIPTION PRESENT **RELATIVE SEVERITY INDEX (1 - 3)** □ Sewage ☐ Rancid/sour ☐ Petroleum/gas Odor □ 3 – Noticeable from a ☐ 1 - Faint □ Sulfide ☐ Other ☐ 2 - Easily detected distance ☐ Clear ☐ Brown ☐ Gray ☐ Yellow Color □ 1 – Faint colors in ☐ 2 - Clearly visible in ☐ 3 - Clearly visible in ☐ Green ☐ Orange ☐ Red ☐ Other: sample bottle sample bottle outfall flow Turbidity П See severity ☐ 1 - Slight cloudiness ☐ 2 - Cloudy ☐ 3 - Opaque Floatables -☐ 3 - Some; origin clear ☐ Sewage (toilet paper, etc.) ☐ 2 - Some; indications ☐ Suds Does Not Include □ 1 – Few/slight; origin (e.g., obvious oil of origin Trash! ☐ Petroleum (oil sheen) ☐ Other: not obvious sheen, suds, or (e.g., possible suds floating sanitary or oil sheen) materials) SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALLS Are Physical Indicators That Are Not Related to Flow Present? ☐ Yes No No (If No, skip to Section 6) CHECK IF INDICATOR DESCRIPTION PRESENT COMMENTS ☐ Spalling, Cracking or Chipping ☐ Peeling Paint Outfall Damage ☐ Corrosion New Construction. Deposits/Stains □ Oily ☐ Flow Line ☐ Paint ☐ Other: Some erosion around Abnormal Vegetation ☐ Excessive ☐ Inhibited leadwalls. Waintenance □ Odors ☐ Colors ☐ Floatables Poor Pool Quality ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: Pipe Benthic Growth Should inspect. ☐ Brown ☐ Orange (bacteria and algae) □Green ☐ Other: SECTION 6: OVERALL OUTFALL CHARACTERIZATION FOR POTENTIAL ILLICIT DISCHARGE CONCERNS SECTION 7: DATA COLLECTION N/A M Unlikely ☐ Potential (presence of two or more indicators) Sample for the lab? ☐ Yes □ No ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious 2. If yes, collected from: ☐ Flow ☐ Pool SECTION 8: ANY NON-ILLICIT DISCHARGE CONCERNS (e.g., trash or needed infrastructure repairs)?



Air Temperature (°F) 46° F	Rainfall (in Longitude	0"	Last 48 hours: 0" GPS Unit: ESRI lield warp
Land Use in Drainage Area (Check all ☐ Industrial ☐ Ultra-Urban Residential ☐ Suburban Residential	res.	☐ Institutional Other: Known Industries:	
Notes (e.g., origin of outfall, if known) Thlets into 1-36	colvert	under Avenida Plan Set.	-sheet 10-38

	ALL DESCRIPTION	SHAPE		DIMENSIONS (IN.)	SUBMERGED
LOCATION Closed Pipe	MATERIAL RCP CMP PVC HDPE Steel Other:	Circular Elliptical Box Other:	Single Double Triple Other:	Diameter/Dimensions:	In Water: ☑ No ☐ Partially ☐ Fully With Sediment: ☑ No ☐ Partially ☐ Fully
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:		Depth: Top Width: Bottom Width:	
Flow Present?	□ Yes 🔼 No		kip to Section 5)		
Flow Description (If present)	☐ Trickle ☐ Mode	erate Subst	tantial	Y.	

SECTION 3: QUANTITATIVE CHARACTERIZATION N/A

	FIELD	DATA FOR FLOWING OU	UNIT	EQUIPMENT
PARAMETER		RESULT		Bottle
	Volume		Liter	Dotte
☐ Flow #1	Time to fill		Sec	***
			ln	Tape measure
□ Flow #2	Flow depth	, ,	Ft, In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured length		S	Stop watch
	Time of travel		°F	Thermometer
Water Temperature			pH Units	Test strip / Probe
рН			mg/L	Test strip
	Ammonia		mg/L	
	DO		uS/cm	
	Conductivity		40/011	



INDICATOR	CHECK IF PRESENT		DESCRIPTION	RELATIVE SEVERITY INDEX (1 – 3)			
Odor		☐ Sev			□ 2 – Easily detected	□ 3 – Noticeable from	
Color		☐ Clea	- Cray Litellow	☐ 1 – Faint colors in	☐ 2 – Clearly visible in	distance	
Turbidity			See severity	sample bottle ☐ 1 – Slight cloudiness	sample bottle	outfall flow ☐ 3 – Opaque	
Floatables – Does Not Include Trash!		□ Sewage (toilet paper, etc.) □ Suds □ Petroleum (oil sheen) □ Other:		☐ 1 – Few/slight; origin not obvious	□ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Opaque □ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)	
INDICATOR	CHE	Not Rel	OR BOTH FLOWING AND NON-FLOWING Coated to Flow Present? ☐ Yes ※ No	MCAL II -	COMMENT	rs	
			☐ Spalling, Cracking or Chipping ☐ Peeling Paint		COMMENT	rs	
Outfall Damage	e [☐ Spalling, Cracking or Chipping ☐ Peeli	ing Paint			
Outfall Damag			☐ Spalling, Cracking or Chipping ☐ Peeli☐ Corrosion ☐ Oily ☐ Flow Line ☐ Paint ☐ Othe			-	
	s [Corrosion			-	
Deposits/Stains Abnormal Vegetat	s [☐ Corrosion ☐ Oily ☐ Flow Line ☐ Paint ☐ Other ☐ Excessive ☐ Inhibited ☐ Odors ☐ Colors ☐ Floatables ☐ 0				
Deposits/Stains	s [tion [ty [wth]]	☐ Corrosion ☐ Oily ☐ Flow Line ☐ Paint ☐ Othe ☐ Excessive ☐ Inhibited	or: Oil Sheen			



Air Temperature (%) 9691	Time: 3:45 SFC), Brick man House (SFC), Earnh Ganley (BHIC) Rainfall (in.): Last 24 hours: O" Longitude: 106,000907°W GPS Unit: ESRI Field Map
Land Use in Drainage Area (Check all that a ☐ Industrial ☐ Ultra-Urban Residential ☐ Suburban Residential ☐ Communication	☐ Institutional Other: Known Industries:
Notes (e.g., origin of outfall, if known): 2 inleds - discharge	94-36" culverts under Avendia del Sur. Plan set Sheet 10-37

ECTION 2: OUTF	CTION 2: OUTFALL DESCRIPTION		PE	DIMENSIONS (IN.)	SUBMERGED
LOCATION Closed Pipe	MATERIAL RCP CMP PVC HDPE Steel Other:	SHA	☐ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions:	In Water: No
□ Open Drainage	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic: ☐ Other:		Depth: Top Width: Bottom Width:	
Flow Present?	☐ Yes □ No		to Section 5)		
Flow Description (If present)	☐ Trickle ☐ Mode	erate Substa	ntial		

SECTION 3: QUANTITATIVE CHARACTERIZATION N/A

		DATA FOR FLOWING OU	UNIT	EQUIPMENT
PARAMETER		RESULT		Bottle
	Volume		Liter	Dottie
☐ Flow #1	Time to fill		Sec	-
			ln	Tape measure
	Flow depth		Ft, In	Tape measure
	Flow width			Tape measure
☐ Flow #2	Measured length	1 11	Ft, In	Stop watch
	Time of travel		S	
			°F	Thermometer
Water Temperature			pH Units	Test strip / Probe
pH			mg/L	Test strip
	Ammonia		mg/L	
	DO		uS/cm	
	Conductivity		00.00	



INDICATOR	CHECK IF PRESENT		he Flow? Yes No (If No, skip to Section DESCRIPTION	RELATIVE SEVERITY INDEX (1 – 3)			
Odor		☐ Sev		I – Faint	☐ 2 – Easily detected	□ 3 – Noticeable from	
Color		☐ Cle	- Slay Lifellow	- Faint colors in sample bottle	☐ 2 – Clearly visible in	distance □ 3 – Clearly visible in	
Turbidity			See severity □ 1	- Slight cloudiness	sample bottle ☐ 2 – Cloudy	outfall flow ☐ 3 – Opaque	
Floatables – Does Not Include Trash!			rage (toilet paper, etc.) ☐ Suds oleum (oil sheen) ☐ Other:	- Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	□ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)	
INDICATOR	CHE	CK IF	DESCRIPTION	skip to Section 6)	COMMENT	rs	
	PRESENT				COMMENT	гѕ	
Outfall Damag			☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion				
Deposits/Stain			☐ Oily ☐ Flow Line ☐ Paint ☐ Other:				
Abnormal Vegeta	tion		☐ Excessive ☐ Inhibited				
	ty]	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheer☐ Suds ☐ Excessive Algae ☐ Other:				
Poor Pool Quali			Julion.				
Poor Pool Quali Pipe Benthic Grov (bacteria and alga	wth ae)]	☐ Brown ☐ Orange ☐ Green ☐ Other:				