

May 19, 2025



Charlie Lynch
Chief Engineer, Wastewater Department
City of Tampa Howard F. Curren Wastewater Treatment Plant
2700 Maritime Blvd
Tampa, FL 33605
Copy via email: Charlie.Lynch@tampagov.net

Re: Preliminary Odor Monitoring Results, City of Tampa Howard F. Curren Advanced Wastewater Treatment Plant, 2700 Maritime Blvd. Tampa, FL 33605

Dear Mr. Lynch:

This report presents the preliminary odor study monitoring results from the week of May 5 through May 11, 2025. The study was conducted within the Howard F. Curren Advanced Wastewater Treatment Plant (AWTP) and nearby residential properties. Representatives from the City's AWTP utilized a gas meter Jerome Hydrogen Sulfide (H₂S) model J605 analyzer. H₂S is a common odorific compound that can be generated by AWTPs. This portable H₂S meter is capable of measuring down to 2-3 parts per billion (ppb), or below most human odor detection concentration, which is about 10 ppb. The meter can also measure up to 100 parts per million (ppm) H₂S. The monitoring crew for the week of May 5 through May 11, 2025, consisted of Javier Moreno, AWT Instrumentation & Controls Specialist, Wastewater Department, City of Tampa, and Roberto Duran, AWT Plant Technician I, Wastewater Department, City of Tampa.

Davis Islands

The H₂S monitoring survey began each day at the Davis Islands residential areas to the west of the AWTP. Six (6) local monitoring locations are depicted on the aerial map in Attachment 1. The Gas Monitoring Survey Form was used to collect important monitoring information, such as time, air temperature, H₂S reading, weather conditions, such as wind direction and speed, and the AWTP representatives' personal odor detection comments, see Attachment 2 for the monitoring results for the Davis Islands locations. The Gas Monitoring Survey results at these sites are documented on the form in Attachment 2. The table below is included for convenience and summarizes the locations and concentrations where H₂S gas was detected at Davis Islands monitoring locations during the event.

It should be noted that the majority of samples collected on Davis Islands contained no measurable amount of H₂S gas. Additionally, the measurable H₂S concentrations at these sample points are far below the concentration limits of 10 ppm under OSHA 8-hour Permissible Exposure Limit worker safety regulation standards, and NIOSH recommended exposure limit.

Davis Islands H2S Detections 5/5-5/11/2025			
Date	Location	H2S (ppm/ppb)	Odors
5/8/2025	Chippewa/Channel	7.65 ppb	No Odors
		6.00 ppb	
		7.39 ppb	
5/9/2025	Chippewa/Channel	14.33 ppb	Faint digester/H2S odor at times
	Channel/E. Davis	24.84 ppb	Faint ammonia odor at times
		30.10 ppb	
		20.51 ppb	
	Chesapeake/Bosphorous	3.02 ppb	No Odors
5/10/2025	Little League Field	4.55 ppb	No Odors
	Chippewa/Channel	4.40 ppb	No Odors
		5.22 ppb	
5/11/2025	Marjory Park Marina	3.49 ppb	Saltwater smell
		4.32 ppb	
		5.49 ppb	
	Little League Field	9.26 ppb	No Odors
		7.02 ppb	
		7.23 ppb	

Howard F. Curren AWTP

H2S monitoring was conducted at six (6) strategic sample points (NO.1 - NO.6) at potential odor generating locations within the AWTP, see figure in Attachment 1. The Gas Monitoring Survey Form was used to collect important monitoring information, such as time, air temperature, H2S reading, weather conditions, such as wind direction and speed, and the AWTP representatives' personal odor detection comments, see Attachment 2 for the monitoring results for the AWTP locations. The table below is included for convenience and summarizes the locations and concentrations where H2S gas was detected at Howard F. Curren AWTP monitoring locations during the event.

The measured H2S concentrations at these sample points are far below the concentration limits of 10 ppm under OHSA 8-hour Permissible Exposure Limit worker safety regulation standards, and NIOSH recommended exposure limit.

Howard F. Curren AWTP H2S Detections 5/5-5/11/2025			
Date	Location	H2S (ppm/ppb)	Odors
5/5/2025	Sample NO.2 Digesters	0.150 ppm	No Odors
		78.45 ppb	
	Sample NO.5 Silo Pads	0.159 ppm	Slight Odor
		7.68 ppb	
		1.46 ppm	
	Sample NO.4 Admin	5.22 ppb	Slight Odor
		4.87 ppb	
	Sample NO.3 Mobility	113.8 ppb	Slight Odor
		53.25 ppb	
		3.36 ppb	
5/6/2025	Sample NO.5 Silo Pads	100.4 ppb	No Odors
		23.01 ppb	
		5.78 ppb	
	Sample NO.4 Admin	5.66 ppb	No Odors
5/7/2025	Sample NO.2 Digesters	21.50 ppb	Earthy smell at times
		0.175 ppm	
		0.167 ppm	
	Sample NO.5 Silo Pads	5.09 ppb	Earthy smell at times
	Sample NO.3 Mobility	3.17 ppb	No Odors
		4.62 ppb	
		5.95 ppb	
5/8/2025	Sample NO.2 Digesters	119.3 ppb	Slightly earthy smell at times
		0.145 ppm	
		118.4 ppb	

5/9/2025	Sample NO.2 Digesters	11.70 ppb	No Odors
		7.69 ppb	
		5.01 ppb	
	Sample NO.1 Outfall	107.6 ppb	Ammonia odor at times
		0.138 ppm	
		0.132 ppm	
	Sample NO.6 Drying Bed	3.96 ppb	No Odors
		3.79 ppb	
		3.63 ppb	
	Sample NO.5 Silo Pads	4.59 ppb	Earthy smell at times
		4.05 ppb	
		3.72 ppb	
	Sample NO.4 Admin	3.66 ppb	No Odors
		3.47 ppb	
		3.30 ppb	
	Sample NO.3 Mobility	3.52 ppb	No Odors
		3.31 ppb	
		3.22 ppb	
5/10/2025	Sample NO.2 Digesters	0.188 ppm	Earthy smell at times
		34.54 ppb	
		25.03 ppb	
	Sample NO.3 Mobility	10.52 ppb	Earthy smell at times
		5.90 ppb	
		7.42 ppb	

5/11/2025	Sample NO.2 Digesters	0.301 ppm	Earthy smell at times
		0.678 ppm	
		0.411 ppm	
	Sample NO.5 Silo Pads	4.47 ppb	No Odors
	Sample NO. 4 Admin	10.62 ppb	Earthy smell
		5.17 ppb	
		13.07 ppb	
	Sample NO.3 Mobility	6.34 ppb	No Odors
		6.65 ppb	
		10.26 ppb	

The City of Tampa Wastewater Department plans to continue conducting daily odor surveys at the same locations. GSE will continue to submit weekly reports presenting the odor study monitoring results for each week.


Thank you for this opportunity to provide our environmental services to your organization. Should you have any questions, please call us at (407) 298-2282.

Respectfully,

Grove Scientific & Engineering Company



Braden Costner
Environmental Scientist



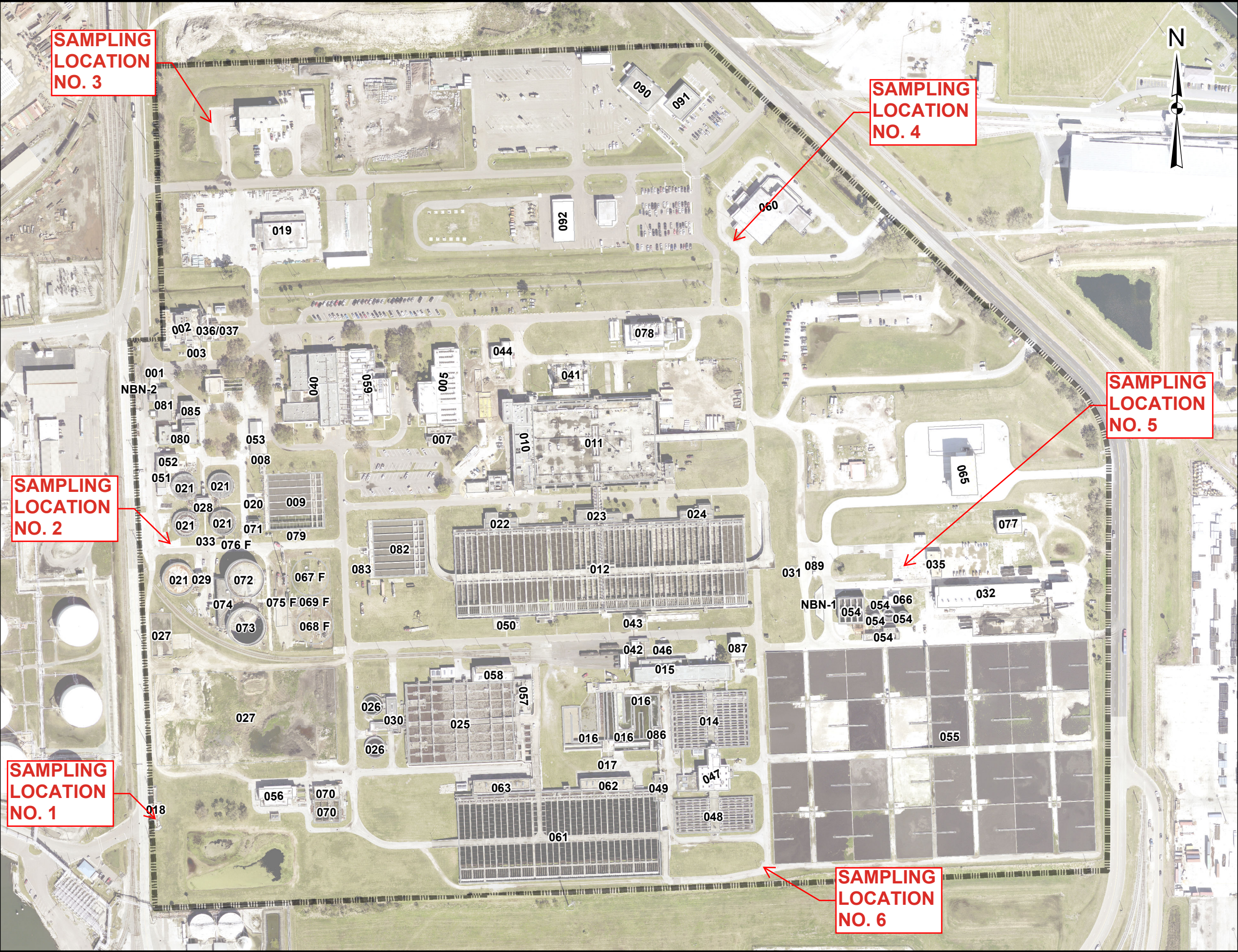
James E. Golden, P.G
Vice President, Sr. Project Manager

Attachments

ATTACHMENT 1



Howard F Curren Advanced Wastewater Treatment Plant



BUILDING NO.	BUILDING NAME
001	RAW SEWAGE PUMPING STATION
002	JUNCTION CHAMBER NO. 1
003	METER VAULT NO. 1
005	SCREEN & GRIT BUILDING NO. 2 (OLD)
006	JUNCTION CHAMBER NO. 2
007	METER VAULT NO. 2
008	JUNCTION CHAMBER NO.3 AND BYPASS STRUCTURE
009	PRIMARY SEDIMENTATION TANKS NO. 1 TO 4
010	MAIN PUMPING STATION
011	HPO REACTORS
012	FINAL SEDIMENTATION TANKS NO. 1-12
013	INTERMEDIATE PUMPING STATION
014	DENITRIFICATION FILTERS NO. 1 TO 20
015	FILTER BUILDING NO. 1
016	POST AERATION CHLORINATION TANKS
017	JUNCTION CHAMBER NO. 4
018	OUTFALL STRUCTURE
019	WAREHOUSE
020	PRIMARY SLUDGE PUMPING STATION NO. 1
021	ANAEROBIC DIGESTER TANKS NO. 1 TO 5
022	RETURN SLUDGE STATION NO. 1
023	RETURN SLUDGE STATION NO. 2
024	RETURN SLUDGE STATION NO. 3
025	DIFFUSED AIR REACTORS (DARs)
026	SLUDGE THICKENER TANKS
027	OLD SLUDGE DRYING BEDS
028	DIGESTER CONTROL BUILDING A
029	DIGESTER CONTROL BUILDING B
030	SLUDGE TREATMENT BUILDING
031	FILTRATE PUMPING STATION
032	SLUDGE DEWATERING BUILDING - NOT IN USE
033	WASTE GAS BURNERS FOR DIGESTER NO 1 TO 5
035	SLUDGE HEAT DRYING ELECTRICAL ROOM
036	JUNCTION CHAMBER NO. 1 ODOR CONTROL SYSTEM
037	JUNCTION CHAMBER NO. 1 ODOR CONTROL SYSTEM
040	MAINTENANCE BUILDING
041	OXYGEN PLANTS AREA GENERATION
042	CHEMICAL HANDLING PLATFORM
043	METHANOL STORAGE TANKS
044	MAIN SWITCHGEAR BUILDING
045	FILTER ACCESS TUNNEL
046	DECHLORINATION FACILITY
047	FILTER BUILDING NO. 2
048	DENITRIFICATION FILTERS NO. 21 TO 26 AND NO 31 TO 36
049	JUNCTION CHAMBER NO. 6
050	JUNCTION CHAMBER NO. 5
051	CARPENTER SHOP (FORMER CHLORINE STORAGE YARD)
052	WELDING SHOP (FORMER EFFLUENT BUILDING)
053	CAR PORT AND REPAIR SHOP
054	SLUDGE STORAGE TANKS AND SLUDGE CONTROL BUILDING
055	SLUDGE DRYING BEDS (32)
056	BELT THICKENER BUILDING - USED AS LUBE STORAGE OIL ROOM
057	NITRIFICATION PUMPING STATION
058	BLOWER BUILDING
059	SCREEN & GRIT BUILDING NO. 1 (NEW)
060	ADMINISTRATION BUILDING
061	FINAL SEDIMENTATION TANKS NO. 13 TO 20
062	RETURN SLUDGE STATION NO. 4
063	RETURN SLUDGE STATION NO. 5
065	SLUDGE DEWATERING FACILITY
066	SLUDGE FEED PUMP STATION
067	ANAEROBIC DIGESTER TANK NO. 8 AND SLUDGE MIXING PUMP STATION -FUTURE
068	ANAEROBIC DIGESTER TANK NO. 9 AND SLUDGE MIXING PUMP STATION -FUTURE
069	DIGESTER CONTROL BUILDING D -FUTURE
070	SCUM THICKENER FACILITY (Dissolved Air Flotation Thickeners (DAFs)) - NOT IN USE
071	MIXED SLUDGE PUMPING STATION
072	ANAEROBIC DIGESTION TANKS NO. 6
073	ANAEROBIC DIGESTER TANK NO. 7 AND SLUDGE MIXING PUMP STATION
074	DIGESTER CONTROL BUILDING C
075	DIGESTER ELECTRICAL AND BOILERS BUILDING - FUTURE
076	WASTE GAS BURNERS - FUTURE
077	TECO PARTNERSHIP STATION
078	NUMBER AVAILABLE
079	WASTE GAS BURNERS FOR DIGESTER NO. 6 AND 7
080	NEW GENERATOR BUILDING AND FILTER ROOM
081	OLD GENERATORS BUILDING
082	PRIMARY SEDIMENTATION TANKS NO. 5 TO 8
083	PRIMARY SLUDGE AND DEWATERING PUMPING STATION NO. 2
085	SWITCHGEAR NO 60
086	RECLAIMED WATER STATION
087	WATER REUSE PILOT PLANT
089	FUEL STATION GAS AND DIESEL
090	COLLECTION TRAINING BUILDING
091	COLLECTION ADMINISTRATION BUILDING
092	COLLECTION VEHICLE MAINTENANCE BUILDING
NBN-1	LEACHATE DISCHARGE STATION
NBN-2	SEPTAGE RECEIVING STATION

Howard F. Curren WWTP - Davis Island Sampling Locations - 04/07/25

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ATTACHMENT 2



ODOR MONITORING SURVEY FORM	
Site Name: Davis Islands	Analyzer J605 S/N 605000712

Date: 05/05/2025

Weather: Mostly sunny 4 mph 181° S

JOSE MORENO

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ODOR MONITORING SURVEY FORM				
Site Name: Davis Islands			Analyzer J605 S/N 605000712	
Date: 5/8/25		Weather: Clear sky 77° / 3mph S 171°		
Signature: <i>[Signature]</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Marjory Park Marina	5:14am	77°	0.00ppb	3mph S 171° / No odor
Marjory Park Marina	5:16am	77°	0.00ppb	"
Marjory Park Marina	5:17am	77°	0.00ppb	"
Little League Field	5:20am	77°	0.00ppb	3mph S 171° / No odor
Little League Field	5:21am	77°	0.00ppb	"
Little League Field	5:22am	77°	0.00ppb	"
Chippewa/Channel	5:27am	77°	7.65ppb	3mph S 171° / No odor
Chippewa/Channel	5:29am	77°	6.00ppb	"
Chippewa/Channel	5:30am	77°	7.39ppb	"
Channel/E. Davis	5:34am	77°	0.00ppb	3mph S 171° / No odor
Channel/E. Davis	5:35am	77°	0.00ppb	"
Channel/E. Davis	5:37am	77°	0.00ppb	"
Roundabout/S. Davis	5:42am	77°	0.00ppb	3mph S 172° / No odor
Roundabout/S. Davis	5:43am	77°	0.00ppb	"
Roundabout/S. Davis	5:44am	77°	0.00ppb	"
Chesapeake/Bosphorous	5:49am	77°	0.00ppb	3mph S 172° / No odor
Chesapeake/Bosphorous	5:50am	77°	0.00ppb	"
Chesapeake/Bosphorous	5:51am	77°	0.00ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 17° / 3mph S 171°

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Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Marjory Park Marina	5:14am	77°	0.00ppb	3mph S 171° / No odor
Marjory Park Marina	5:16am	77°	0.00ppb	"
Marjory Park Marina	5:17am	77°	0.00ppb	"
Little League Field	5:20am	77°	0.00ppb	3mph S 171° / No odor
Little League Field	5:21am	77°	0.00ppb	"
Little League Field	5:22am	77°	0.00ppb	"
Chippewa/Channel	5:27am	77°	7.65ppb	3mph S 171° / No odor
Chippewa/Channel	5:29am	77°	6.00ppb	"
Chippewa/Channel	5:30am	77°	7.39ppb	"
Channel/E. Davis	5:34am	77°	0.00ppb	3mph S 171° / No odor
Channel/E. Davis	5:35am	77°	0.00ppb	"
Channel/E. Davis	5:37am	77°	0.00ppb	"
Roundabout/S. Davis	5:42am	77°	0.00ppb	3mph S 172° / No odor
Roundabout/S. Davis	5:43am	77°	0.00ppb	"
Roundabout/S. Davis	5:44am	77°	0.00ppb	"
Chesapeake/Bosphorous	5:49am	77°	0.00ppb	3mph S 172° / No odor
Chesapeake/Bosphorous	5:50am	77°	0.00ppb	"
Chesapeake/Bosphorous	5:51am	77°	0.00ppb	"

ODOR MONITORING SURVEY FORM				
Site Name: HF Curren AWTP			Analyzer J605 S/N 605000712	
Date: 5/8/25		Weather: Clear sky 16 / 4mph S 170°		
Signature: <i>Robert D...</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Sample NO.2 Digesters	6:34am	76°	119.3ppb	4mph S 170° / slight earthy smell
Sample NO.2 Digesters	6:36am	76°	0.145ppm	" at times
Sample NO.2 Digesters	6:37am	76°	118.4ppb	"
Sample NO. 1 Outfall	6:39am	76°	0.00ppb	4mph S 170° / No odor
Sample NO. 1 Outfall	6:41am	76°	0.00ppb	"
Sample NO. 1 Outfall	6:42am	76°	0.00ppb	"
Sample NO. 6 Drying Bed	6:47am	75°	0.00ppb	4mph S 170° / No odor
Sample NO. 6 Drying Bed	6:48am	75°	0.00ppb	"
Sample NO. 6 Drying Bed	6:49am	75°	0.00ppb	"
Sample NO. 5 Silo Pads	6:54am	75°	0.00ppb	4mph S 170° / slight earthy smell
Sample NO. 5 Silo Pads	6:55am	75°	0.00ppb	" at times
Sample NO. 5 Silo Pads	6:57am	75°	0.00ppb	"
Sample NO. 4 Admin	7:02am	75°	0.00ppb	4mph S 172° / No odor
Sample NO. 4 Admin	7:03am	75°	0.00ppb	"
Sample NO. 4 Admin	7:04am	75°	0.00ppb	"
Sample NO.3 Mobility	7:12am	75°	0.00ppb	4mph S 172° / No odor
Sample NO.3 Mobility	7:13am	75°	0.00ppb	"
Sample NO.3 Mobility	7:14am	75°	0.00ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 16 / 4 mph S 170°

Roberto Duran

[illegible]

ODOR MONITORING SURVEY FORM				
Site Name: Davis Islands			Analyzer J605 S/N 605000712	
Date: 5/9/25		Weather: Clear sky 74° / 2mph WNW 290°		
Signature: <i>Roberto Brown</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Marjory Park Marina	5:19am	74°	0.00ppb	2mph WNW 290° / No odor
Marjory Park Marina	5:20am	74°	0.00ppb	"
Marjory Park Marina	5:21am	74°	0.00ppb	"
Little League Field	5:24am	74°	0.00ppb	2mph WNW 290° / No odor
Little League Field	5:25am	74°	0.00ppb	"
Little League Field	5:26am	74°	0.00ppb	"
Chippewa/Channel	5:31am	74°	0.00ppb	2mph WNW 290° / No odor
Chippewa/Channel	5:33am	74°	0.00ppb	"
Chippewa/Channel	5:34am	74°	14.33ppb	Faint digester/H2S odor at times
Channel/E. Davis	5:40am	74°	24.84ppb	2mph WNW 290° / Faint
Channel/E. Davis	5:42am	74°	30.10ppb	ammonia odor at times
Channel/E. Davis	5:43am	74°	20.51ppb	"
Roundabout/S. Davis	5:50am	74°	0.00ppb	2mph WNW 290° / No odor
Roundabout/S. Davis	5:51am	74°	0.00ppb	"
Roundabout/S. Davis	5:52am	74°	0.00ppb	"
Chesapeake/Bosphorous	6:04am	74°	3.02ppb	1mph WNW 290° / No odor
Chesapeake/Bosphorous	6:05am	74°	0.00ppb	"
Chesapeake/Bosphorous	6:06am	74°	0.00ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 74° / 2mph WNW 290°

Roberto Barrera

Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Marjory Park Marina	5:19am	74°	0.00ppb	2mph WNW 290° / No odor
Marjory Park Marina	5:20am	74°	0.00ppb	"
Marjory Park Marina	5:21am	74°	0.00ppb	"
Little League Field	5:24am	74°	0.00ppb	2mph WNW 290° / No odor
Little League Field	5:25am	74°	0.00ppb	"
Little League Field	5:26am	74°	0.00ppb	"
Chippewa/Channel	5:31am	74°	0.00ppb	2mph WNW 290° / No odor
Chippewa/Channel	5:33am	74°	0.00ppb	"
Chippewa/Channel	5:34am	74°	14.33ppb	Faint digester/H2S odor at times
Channel/E. Davis	5:40am	74°	24.84ppb	2mph WNW 290° / Faint
Channel/E. Davis	5:42am	74°	30.10ppb	ammonia odor at times
Channel/E. Davis	5:43am	74°	20.51ppb	"
Roundabout/S. Davis	5:50am	74°	0.00ppb	2mph WNW 290° / No odor
Roundabout/S. Davis	5:51am	74°	0.00ppb	"
Roundabout/S. Davis	5:52am	74°	0.00ppb	"
Chesapeake/Bosphorous	6:04am	74°	3.02ppb	1mph WNW 290° / No odor
Chesapeake/Bosphorous	6:05am	74°	0.00ppb	"
Chesapeake/Bosphorous	6:06am	74°	0.00ppb	"

ODOR MONITORING SURVEY FORM				
Site Name: HF Curren AWTP			Analyzer J605 S/N 605000712	
Date: 5/9/25		Weather: Clear sky 74° / 1mph SSE 151°		
Signature: <i>Roberto Dora</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Sample NO.2 Digesters	6:42am	74°	11.70ppb	1mph SSE 151° / No odor
Sample NO.2 Digesters	6:43am	74°	7.69ppb	
Sample NO.2 Digesters	6:45am	74°	5.01ppb	
Sample NO. 1 Outfall	6:49am	74°	107.6ppb	1mph SSE 151° / Ammonia odor
Sample NO. 1 Outfall	6:50am	74°	0.138ppm	at times
Sample NO. 1 Outfall	6:51am	74°	0.132ppm	"
Sample NO. 6 Drying Bed	6:59am	74°	3.96ppb	1mph SSE 151° / No odor
Sample NO. 6 Drying Bed	7:00am	74°	3.79ppb	"
Sample NO. 6 Drying Bed	7:01am	74°	3.63ppb	"
Sample NO. 5 Silo Pads	7:05am	74°	4.59ppb	1mph SSE 151° / Earthy smell
Sample NO. 5 Silo Pads	7:06am	74°	4.05ppb	at times
Sample NO. 5 Silo Pads	7:07am	74°	3.72ppb	"
Sample NO. 4 Admin	7:12am	74°	3.66ppb	1mph SSE 151° / No odor
Sample NO. 4 Admin	7:13am	74°	3.47ppb	"
Sample NO. 4 Admin	7:14am	74°	3.30ppb	"
Sample NO.3 Mobility	7:21am	74°	3.52ppb	1mph SSE 151° / No odor
Sample NO.3 Mobility	7:22am	74°	3.31ppb	"
Sample NO.3 Mobility	7:23am	74°	3.22ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 74° / 1mph SSE 15°

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ODOR MONITORING SURVEY FORM				
Site Name: Davis Islands			Analyzer J605 S/N 605000712	
Date: 5/10/25		Weather: Clear sky 76°/6mph SSE 167°		
Signature: <i>Robert Brown</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Marjory Park Marina	5:54am	76°	0.00ppb	6mph SSE 167°/breeze / No odor
Marjory Park Marina	5:56am	76°	0.00ppb	"
Marjory Park Marina	5:57am	76°	0.00ppb	"
Little League Field	6:00am	76°	4.55ppb	6mph SSE 167°/breeze / No odor
Little League Field	6:02am	76°	0.00ppb	"
Little League Field	6:03am	76°	0.00ppb	"
Chippewa/Channel	6:12am	75°	0.00ppb	6mph SSE 167°/light breeze / No odor
Chippewa/Channel	6:13am	75°	4.40ppb	"
Chippewa/Channel	6:15am	75°	5.22ppb	"
Channel/E. Davis	6:20am	75°	0.00ppb	6mph SSE 167°/light breeze / No odor
Channel/E. Davis	6:22am	75°	0.00ppb	"
Channel/E. Davis	6:23am	75°	0.00ppb	"
Roundabout/S. Davis	6:51am	75°	0.00ppb	7mph SSE 167°/light breeze / No odor
Roundabout/S. Davis	6:52am	75°	0.00ppb	"
Roundabout/S. Davis	6:53am	75°	0.00ppb	"
Chesapeake/Bosphorous	7:05am	75°	0.00ppb	6mph SSE 160°/light breeze / No odor
Chesapeake/Bosphorous	7:06am	75°	0.00ppb	"
Chesapeake/Bosphorous	7:07am	75°	0.00ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 76° / 6mph SSE / 67°

Robert Brown

[illegible]

ODOR MONITORING SURVEY FORM				
Site Name: HF Curren AWTP			Analyzer J605 S/N 605000712	
Date: 5/10/25		Weather: Clear sky 76° / 6mph SSE 160°		
Signature: <i>Robert D. [Signature]</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Sample NO.2 Digesters	7:28am	76°	0.188ppm	6mph SSE 160° / Breeze / Earthy smell
Sample NO.2 Digesters	7:30am	76°	34.54ppb	" at times
Sample NO.2 Digesters	7:31am	76°	25.03ppb	"
Sample NO. 1 Outfall	7:34am	76°	0.00ppb	6mph SSE 160° / Breeze / No odor
Sample NO. 1 Outfall	7:35am	76°	0.00ppb	"
Sample NO. 1 Outfall	7:37am	76°	0.00ppb	"
Sample NO. 6 Drying Bed	7:46am	76°	0.00ppb	7mph SSE 160° / Breeze / No odor
Sample NO. 6 Drying Bed	7:47am	76°	0.00ppb	"
Sample NO. 6 Drying Bed	7:48am	76°	0.00ppb	"
Sample NO. 5 Silo Pads	7:59am	76°	0.00ppb	7mph SSE 160° / Breeze / Earthy smell
Sample NO. 5 Silo Pads	8:01am	76°	0.00ppb	" at times
Sample NO. 5 Silo Pads	8:02am	76°	0.00ppb	"
Sample NO. 4 Admin	8:08am	76°	0.00ppb	8mph SSE 160° / Breeze / No odor
Sample NO. 4 Admin	8:09am	76°	0.00ppb	"
Sample NO. 4 Admin	8:10am	76°	0.00ppb	"
Sample NO.3 Mobility	8:18am	77°	10.52ppb	8mph SSE 160° / light breeze / Earthy
Sample NO.3 Mobility	8:19am	77°	5.90ppb	" smell at times
Sample NO.3 Mobility	8:21am	77°	7.42ppb	"

Analyzer J605 S/N 605000712

Weather: Clear sky 76° / 6mph SSE 160°

10/25
Roberto Draven

[illegible]

ODOR MONITORING SURVEY FORM				
Site Name: HF Curren AWTP			Analyzer J605 S/N 605000712	
Date: 5/11/25		Weather: Cloudy 75° / 8mph SE 1420		
Signature: <i>Robert E. Evans</i>				
Location	Time	Air Temp (F)	H2S (ppm) (ppb)	Wind/Comments/Odors
Sample NO.2 Digesters	7:25am	75°	0.30 ppm	8mph SE 1420 / earthy smell
Sample NO.2 Digesters	7:26am	75°	0.678 ppm	" at times
Sample NO.2 Digesters	7:27am	75°	0.411 ppm	"
Sample NO. 1 Outfall	7:39am	75°	0.00 ppb	8mph SE 1420 / No odor
Sample NO. 1 Outfall	7:40am	75°	0.00 ppb	"
Sample NO. 1 Outfall	7:41am	75°	0.00 ppb	"
Sample NO. 6 Drying Bed	7:45am	75°	0.00 ppb	8mph SE 1420 / Breeze /
Sample NO. 6 Drying Bed	7:46am	75°	0.00 ppb	" No odor
Sample NO. 6 Drying Bed	7:47am	75°	0.00 ppb	"
Sample NO. 5 Silo Pads	7:54am	76°	0.00 ppb	6mph SE 1420 / No odor
Sample NO. 5 Silo Pads	7:55am	76°	0.00 ppb	"
Sample NO. 5 Silo Pads	7:56am	76°	4.47 ppb	"
Sample NO. 4 Admin	7:59am	76°	10.62 ppb	6mph SE 1420 / light rain / rain
Sample NO. 4 Admin	8:00am	76°	5.17 ppb	" smell
Sample NO. 4 Admin	8:01am	76°	13.07 ppb	"
Sample NO.3 Mobility	8:10am	76°	6.34 ppb	7mph SE 1420 / light rain / No
Sample NO.3 Mobility	8:11am	76°	6.65 ppb	" odor
Sample NO.3 Mobility	8:12am	76°	10.26 ppb	"

Analyzer J605 S/N 605000712

Weather: Cloudy 75° / 8mph SE 1420

Signature: Roberto E. Arana

[illegible]