

# DORAL FLORIDA FACILITY FIRE PRELIMINARY AIR MONITORING SUMMARY

Doral, Florida 07:00 March 22 - 07:00 March 23, 2023 Project #025114

#### 1.0 INTRODUCTION

On February 16, 2023, Covanta Energy requested that CTEH®, LLC provide air monitoring and air sampling support in response to a fire at a Covanta Energy facility in Doral, Florida. CTEH® personnel mobilized to the incident site and began real-time air monitoring in the surrounding community at approximately 0800 Eastern Standard Time (EST) February 17, 2023. This report summarizes the real-time air monitoring data collected from 0700 EST March 22 to 0700 EST March 23, 2023.

#### 2.0 AIR MONITORING AND SAMPLING METHODS

Real-time air monitoring refers to the use of direct-reading instruments to provide a near-instantaneous readout of a chemical concentration in air. CTEH® personnel developed and implemented an Air Sampling and Analysis Plan (SAP), which was reviewed by the U.S. EPA Region 4 On-Scene Coordinator (EPA Region 4 OSC) and other members of Incident Command, to characterize the nature and extent of emissions from the fire. During this reporting period, CTEH personnel conducted real-time air monitoring in accordance with the Community Monitoring plan outlined in the SAP. Community Monitoring was conducted in the residential and commercial locations surrounding the incident site, not necessarily occupied by members of the community. All Community Monitoring was conducted at a height representative of the breathing zone.

During this reporting period, CTEH® personnel conducted handheld real-time air monitoring for carbon monoxide (CO), hydrogen sulfide (H<sub>2</sub>S), hydrogen cyanide (HCN), atmospheric flammability measured as a percentage of the lower explosive limit (%LEL), particulate matter less than 2.5 microns (PM<sub>2.5</sub>), and volatile organic compounds (VOCs). Real-time air monitoring was conducted using RAE Systems by Honeywell MultiRAE, TSI DustTrak, and TSI SidePak AM520 handheld instruments.

CTEH personnel also deployed stationary radio-telemetering real-time air monitoring instruments (RAE Systems by Honeywell AreaRAE instruments) at four fixed locations. AreaRAE instruments were used to monitor for CO, H<sub>2</sub>S, %LEL, HCN, and VOCs every 15 seconds. In addition, four TSI SidePak AM520 instruments were deployed, co-located with AreaRAE instruments, to log PM<sub>2.5</sub> data.

Please note that, in addition to fire smoke, automobile exhaust is another source of particulate matter that is detectable on  $PM_{2.5}$  instrumentation.  $PM_{2.5}$  in exhaust from cars and trucks onsite during response activities and on nearby roads may be associated with momentary elevated  $PM_{2.5}$  readings.  $PM_{2.5}$  instruments can also overstate  $PM_{2.5}$  levels during humid weather conditions.

To supplement real-time air monitoring, analytical air samples were collected at discrete locations around the incident site, co-located with AreaRAE instruments. Samples were collected for asbestos, polynuclear



aromatic hydrocarbons, and metals. All samples will be shipped under chain-of-custody to Pace Analytical, an American Industrial Hygiene Association-accredited laboratory for analysis.

#### 3.0 AIR MONITORING RESULTS

A summary of handheld real-time readings by location is provided in **Table 1**. Radio-telemetering AreaRAE data is provided in **Table 2**. Data-logged PM<sub>2.5</sub> readings are provided in **Table 3**. Real-time air monitoring action level references, selected in coordination with the EPA Region 4 OSC, are provided in **Table 4**. A PM<sub>2.5</sub> action level sheet provided by the EPA Region 4 OSC is included as **Attachment A**. Maps of the incident location and air monitoring/sampling locations are provided in **Attachment B**. Graphical representations of radio-telemetering AreaRAE data are provided in **Attachment C**. Graphical representations of data-logged PM<sub>2.5</sub> readings are provided in **Attachment D**.

Table 1: Community Handheld Real-Time Air Monitoring Results by Location<sup>†</sup>

Location Code	Location Description	Analyte	Instrument(s)	Number of Readings	Number of Detections	Range of Detections*	Period Average*	Action Level
		%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %
		СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm
		H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
FRT-001	107 and 66th	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm
		PM <sub>2.5</sub>	AM520/DustTrak	15	15	1 - 10 μg/m³	6 μg/m³	See PM2.5 Action Level Sheet
		VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm
		%LEL	MultiRAE	6	0	< 1 %	< 1 %	10 %
		СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm
		H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
FRT-002	CVS at 107 and 74	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm
		PM <sub>2.5</sub>	AM520/DustTrak	15	15	3 - 31 μg/m³	8 μg/m³	See PM2.5 Action Level Sheet
		VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm
		%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %
		СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm
	Ronald Reagan	H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
FRT-003	High School	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm
	J	PM <sub>2.5</sub>	AM520/DustTrak	15	15	4 - 21 μg/m³	9 μg/m³	See PM2.5 Action Level Sheet
		VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm

FRT-004         Mode of the content of the conte	Location Code	Location Description	Analyte	Instrument(s)	Number of Readings	Number of Detections	Range of Detections*	Period Average*	Action Level	
FRT-004   Reference   FRT-005   Reference   FRT-006   Reference   Reference			%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %	
FRT-004   FRT-005   FRT			СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm	
FRT-004   FRT-005   FRT		0400 102 - 4 4	H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm	
PM3	FRT-004	,	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm	
Andrea Castillo   H2S   MultiRAE   S   O   <1%   <1%   10%   CO   MultiRAE   H2S   MultiRAE   G   O   <1ppm   <1ppm   <1ppm   S3 ppm   O.5 ppm   Academy   HCN   MultiRAE   S   O   <0.5 ppm   <0.5 ppm   C.5 ppm   C			PM <sub>2.5</sub>	AM520/DustTrak	13	13	3 - 21 μg/m³	9 μg/m³		
FRT-005   FRT-005   Andrea Castillo Preparatory Academy   HCN MultiRAE   5 0 0 0.01 ppm 0.05 ppm 0.			VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm	
FRT-005   Andrea Castillo   Preparatory   Academy   HCN   MultiRAE   S   O   <0.1 ppm   <0.5 ppm   2 ppm   2 ppm   COS ppm   Academy   PM2.5   AM520/DustTrak   14   14   3-14 μg/m³   8 μg/m³   See PM2.5 Action Level Sheet   PM2.5   AM520/DustTrak   14   14   3-14 μg/m³   8 μg/m³   See PM2.5 Action Level Sheet   PM2.5   AM520/DustTrak   15   O   <0.1 ppm   <0.1 ppm   1 ppm   PM5   PM2.5   AM520/DustTrak   15   O   <0.1 ppm   <0.1 ppm   <0.1 ppm   R3 ppm   COS			%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %	
FRT-005			СО	MultiRAE	4	0	< 1 ppm	< 1 ppm	83 ppm	
Academy   PM2.5   AM520/DustTrak   14   14   3-14 µg/m³   8 µg/m³   See PM2.5 Action   PM2.5   PM2.		Andrea Castillo	H <sub>2</sub> S	MultiRAE	6	0	< 0.1 ppm	1 ppm < 1 ppm .1 ppm < 0.1 ppm .5 ppm < 0.5 ppm 4 μg/m³ 8 μg/m³ Se .1 ppm < 0.1 ppm < 1 % < 1 % .1 ppm < 1 ppm .1 ppm < 0.1 ppm	0.5 ppm	
PM2.5	FRT-005		HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm	
FRT-006   Baptist Health   Hospital ER   HCN   MultiRAE   Multi		Academy	PM <sub>2.5</sub>	AM520/DustTrak	14	14	3 - 14 μg/m³	8 μg/m³		
Reference   Reference   Factor   Reference   Factor   Reference   Factor   Reference			VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm	
FRT-006         Baptist Health Hospital ER         H₂S         MultiRAE         5         0         <0.1 ppm         <0.5 ppm         0.5 ppm           PRT-006         HcN         MultiRAE         5         0         <0.5 ppm				%LEL	MultiRAE	6	0	< 1 %	< 1 %	10 %
RRT-006   Baptist Health   HCN   MultiRAE   5   0   <0.5 ppm   <0.5 ppm   2			СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm	
Hospital ER		Pantist Hoalth	H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm	
PM2.5   AM520/DustTrak   13   13   1-14 μg/m³   6 μg/m³   Level Sheet	FRT-006		HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm	
FRT-007   FRT-008   FRT			PM <sub>2.5</sub>	AM520/DustTrak	13	13	1 - 14 μg/m³	6 μg/m³		
FRT-007         CO         MultiRAE         6         0         <1 ppm         <1 ppm         83 ppm           FRT-007         Impact Centre at Doral Entrance         H2S         MultiRAE         5         0         <0.1 ppm			VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm	
FRT-007   Impact Centre at Doral Entrance   H <sub>2</sub> S   MultiRAE   5   0   < 0.1 ppm   < 0.1 ppm   0.5 ppm   2 ppm			%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %	
FRT-007   Impact Centre at Doral Entrance   HCN   MultiRAE   5   0   <0.5 ppm   <0.5 ppm   2 ppm			СО	MultiRAE	6	0	< 1 ppm	< 1 ppm	83 ppm	
PM2.5   AM520/DustTrak   16   16   1-22 μg/m³   7 μg/m³   See PM2.5 Action Level Sheet		Impact Controlat	H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm	
PM <sub>2.5</sub> AMS20/DustTrak 16 16 1-22 μg/m³ / μg/m³ Level Sheet  VOCs MultiRAE 5 0 <0.1 ppm <0.1 ppm 1 ppm  %LEL MultiRAE 6 0 <1% <1% 10%  CO MultiRAE 5 0 <1 ppm <1 ppm <1 ppm 83 ppm   H <sub>2</sub> S MultiRAE 5 0 <0.1 ppm <0.1 ppm <0.5 ppm   FRT-008 Aldi Parking lot HCN MultiRAE 5 0 <0.5 ppm <0.5 ppm   PM <sub>2.5</sub> AMS20/DustTrak 15 15 2-14 μg/m³ 6 μg/m³ See PM2.5 Action Level Sheet	FRT-007		HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm	
MultiRAE   6   0   <1%   <1%   10%			PM <sub>2.5</sub>	AM520/DustTrak	16	16	1 - 22 μg/m³	7 μg/m³		
CO   MultiRAE   5   0   <1 ppm   <1 ppm   83 ppm			VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm	
FRT-008 Aldi Parking lot H2S MultiRAE 5 0 < 0.1 ppm < 0.1 ppm 0.5 ppm HCN MultiRAE 5 0 <0.5 ppm < 0.5 ppm 2 ppm PM <sub>2.5</sub> AM520/DustTrak 15 15 2 - 14 μg/m³ 6 μg/m³ See PM2.5 Action Level Sheet			%LEL	MultiRAE	6	0	< 1 %	< 1 %	10 %	
FRT-008 Aldi Parking lot HCN MultiRAE 5 0 <0.5 ppm <0.5 ppm 2 ppm PM <sub>2.5</sub> AM520/DustTrak 15 15 2 - 14 µg/m³ 6 µg/m³ See PM2.5 Action Level Sheet			СО	MultiRAE	5	0	< 1 ppm	< 1 ppm	83 ppm	
PM <sub>2.5</sub> AM520/DustTrak 15 15 2 - 14 μg/m³ 6 μg/m³ See PM2.5 Action Level Sheet			H <sub>2</sub> S	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm	
PM <sub>2.5</sub> AM520/DustTrak 15 15 2 - 14 μg/m³ 6 μg/m³ Level Sheet	FRT-008	Aldi Parking lot	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm	
VOCs         MultiRAE         5         0         < 0.1 ppm         < 0.1 ppm         1 ppm			PM <sub>2.5</sub>	AM520/DustTrak	15	15	2 - 14 μg/m³	6 μg/m³		
			VOCs	MultiRAE	5	0	< 0.1 ppm	< 0.1 ppm	1 ppm	

Location Code	Location Description	Analyte	Instrument(s)	Number of Readings	Number of Detections	Range of Detections*	Period Average*	Action Level
		%LEL	MultiRAE	5	0	< 1 %	< 1 %	10 %
		СО	MultiRAE	5	0	< 1 ppm	Average* % <1% m <1 ppm m <0.1 ppm m <0.5 ppm n³ 7 μg/m³ m <0.1 ppm m <0.1 ppm	83 ppm
	Cido of EO+b Nov+	H <sub>2</sub> S	MultiRAE	4	0	< 0.1 ppm		0.5 ppm
FRT-009	Side of 58th, Next to Golf Course.	HCN	MultiRAE	5	0	< 0.5 ppm	< 0.5 ppm	2 ppm
		PM <sub>2.5</sub>	AM520/DustTrak	14	14	3 - 18 μg/m³	7 μg/m³	See PM2.5 Action Level Sheet
		VOCs	MultiRAE	5	0	< 0.1 ppm		1 ppm
Station 1	South Fenceline	VOCs	MultiRAE	3	0	< 0.1 ppm	< 0.1 ppm	1 ppm
Station 2	Southeast Corner of Stack	VOCs	MultiRAE	1	0	< 0.1 ppm	< 0.1 ppm	1 ppm

<sup>\*</sup> Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QAQC) process and should be considered preliminary at this time.

Table 2: Radio-Telemetering Air Monitoring Results<sup>†</sup>

Location Code	Location	Analyte	Number of Readings	Number of Detections	Concentration Range*	Period Average*	Action Level
		%LEL	3,843	0	< 1 %	< 1 %	10 %
		СО	3,843	0	< 1 ppm	< 1 ppm	83 ppm
Station 01	South Fenceline	H <sub>2</sub> S	3,843	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
	rencenne	HCN	2,976	0	< 1 ppm	< 1 ppm	2 ppm
		VOCs	3,278	343	0.1 - 0.3 ppm	0.03 ppm	1 ppm
		%LEL	4,382	0	< 1 %	< 1 %	10 %
	Southeast	СО	4,382	0	< 1 ppm	< 1 ppm	83 ppm
Station 02	Corner of	H <sub>2</sub> S	4,382	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
	Stack	HCN	3,662	0	< 1 ppm	< 1 ppm	2 ppm
		VOCs	4,382	421	0.1 - 0.2 ppm	0.03 ppm	1 ppm
		%LEL	527	0	< 1 %	< 1 %	10 %
		СО	527	0	< 1 ppm	< 1 ppm	83 ppm
Station 03	West Fenceline	H <sub>2</sub> S	527	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
	rendenne	HCN	405	0	< 1 ppm	< 1 ppm	2 ppm
		VOCs	527	80	0.1 ppm	0.02 ppm	1 ppm
		%LEL	4,666	0	< 1 %	< 1 %	10 %
		СО	4,666	0	< 1 ppm	< 1 ppm	83 ppm
Station 04	North Fenceline	H <sub>2</sub> S	4,666	0	< 0.1 ppm	< 0.1 ppm	0.5 ppm
	7 CHOCHITC	HCN	3,756	0	< 1 ppm	< 1 ppm	2 ppm
		VOCs	4,666	0	< 0.1 ppm	< 0.1 ppm	1 ppm

<sup>\*</sup> Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QAQC) process and should be considered preliminary at this time.

<sup>\*</sup> If no detectable concentration was observed, the instrument detection limit preceded by a "<" is listed ppm = parts per million



<sup>\*</sup> If no detectable concentration was observed, the instrument detection limit preceded by a "<" is listed. ppm = parts per million;  $\mu g/m^3$  = micrograms per cubic meter

Table 3: Data-Logged PM<sub>2.5</sub> Real-Time Air Monitoring Results<sup>†</sup>

Location Code	Location Description	Number of Readings	Concentration Range*	Period Average*	Action Level
Station 1	South Fenceline	33,555	1 - 388 μg/m³	9 μg/m³	See PM2.5 Action Level Sheet
Station 2	Southeast Corner of Stack	35,214	1 - 377 μg/m³	14 μg/m³	See PM2.5 Action Level Sheet
Station 3	West Fenceline	35,198	1 - 134 μg/m³	8 μg/m³	See PM2.5 Action Level Sheet
Station 4	North Fenceline	38,364	1 - 557 μg/m³	13 μg/m³	See PM2.5 Action Level Sheet

<sup>†</sup>Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QAQC) process and should be considered preliminary at this time. PM<sub>2.5</sub> in exhaust from cars and trucks onsite during response activities and on nearby roads may be associated with momentary elevated PM<sub>2.5</sub> readings. PM<sub>2.5</sub> instruments can also overstate PM<sub>2.5</sub> levels during humid weather conditions. μg/m³ = micrograms per cubic meter

**Table 4: Action Level References**<sup>†</sup>

Analyte	Definition	Action Level Reference
VOCs	Volatile Organic Compounds	Temporary Emergency Exposure Limit (TEEL-0) for Benzene
СО	Carbon Monoxide	Acute Exposure Guideline Level (AEGL-2) 1-hr
H <sub>2</sub> S	Hydrogen Sulfide	AEGL-1, 1 hr
%LEL	Lower Explosive Limit	29 CFR 1910.146, Confined Spaces
HCN	Hydrogen Cyanide	AEGL-1, 1 hr
PM <sub>2.5</sub>	Particulate Matter < 2.5 Microns	See PM2.5 Action Level Sheet

<sup>†</sup> Action levels selected in coordination with EPA Region 4 OSC

#### 4.0 METEOROLOGICAL CONDITIONS

**Attachment E** contains a wind rose depicting wind speed and direction for this reporting period. Wind data is obtained from publicly available information collected at the Miami International Airport.

## Attachment A

## PM<sub>2.5</sub> Action Level Sheet

Provided by EPA Region 4 OSC



	PM <sub>2.5</sub> (Particulate Matter ≤ 2.5 microns) Community Action Threshold Levels							
1-Hour Average (μg/m³)	24-Hour Average (μg/m³)	Level of Health Concern	Meaning	Action				
0.0 - 40.0	0.0-12.0	Good	Air Quality is considered satisfactory, and air pollution poses little or no risk.	Implement communication plan.				
40.1 - 80.0	12.1 - 35.4	Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually senstive to air pollution.	Issue public announcement about health effects. Stay out of areas with visible smoke.				
80.1 - 175.0	35.5 - 55.4	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	Recommend evacuation or shelter-in- place for sensitive populations.				
175.1 - 300.0	55.5 - 150.4	Unhealthy	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.	Consider closing schools and cancelling outdoor events. Recommend shelter-in-place for affected neighborhoods.				
300.1 - 500.0	150.5 - 250.4	Very Unhealthy	Health warnings of emergency conditions. The entire population is more likely to be affected.	Consider closing schools and cancel all outdoor events. Recommend shelter-in-place and/or evacuation for affected neighborhoods.				
> 500.0	> 250.5	Hazardous	Health alert: everyone may experience more serious health effects.	Recommend closing schools & cancel outdoor events. Recommend closing workplaces and evacuating affected neighborhoods.				

## Attachment B

Maps



# **CTEH**°

#### **Doral Florida Facility Fire**

Incident Location

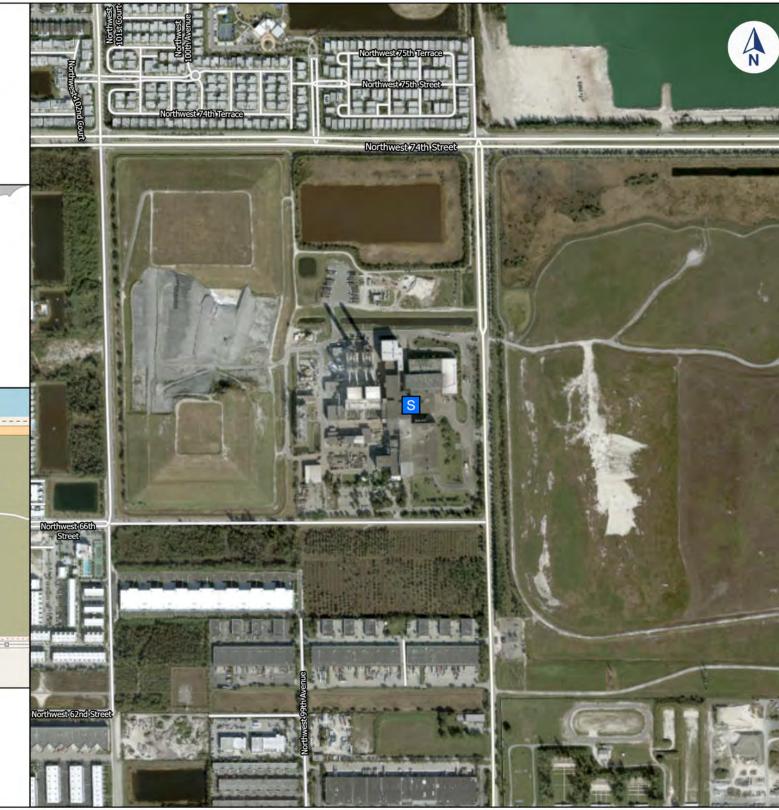
Doral, FL | Miami-Dade County
PROJ-025114





S Incident Location

Updated At: 2/18/2023 8:51 AM Projection: GCS WGS 1984



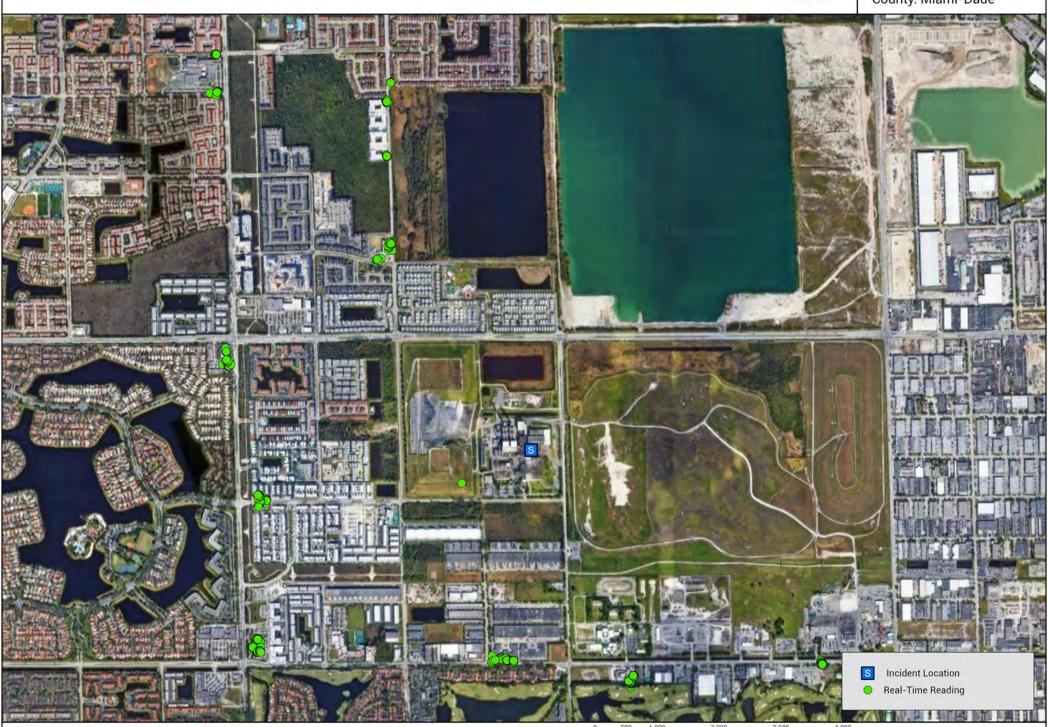


#### Handheld Real-Time Air Monitoring Locations | Community Monitoring

Doral Florida Facility Fire



Project: PROJ-025114 Client: Covanta Energy City: Doral, FL County: Miami-Dade



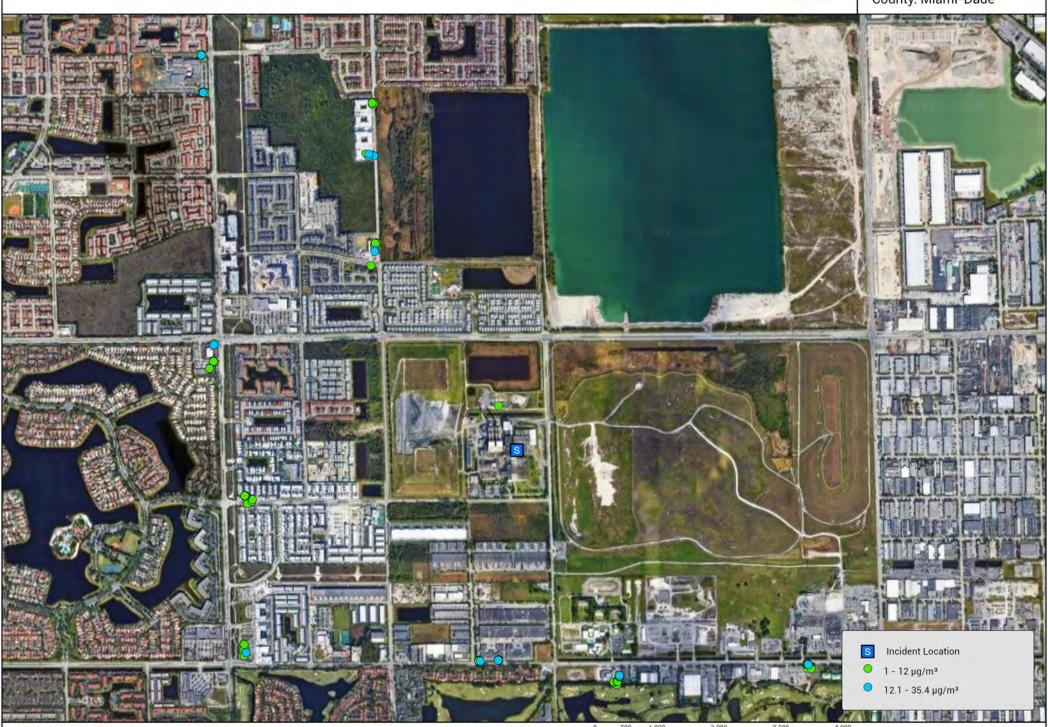


#### Handheld Real-Time Air Monitoring Locations | Community Monitoring | PM<sub>2.5</sub>

Doral Florida Facility Fire



Project: PROJ-025114 Client: Covanta Energy City: Doral, FL County: Miami-Dade





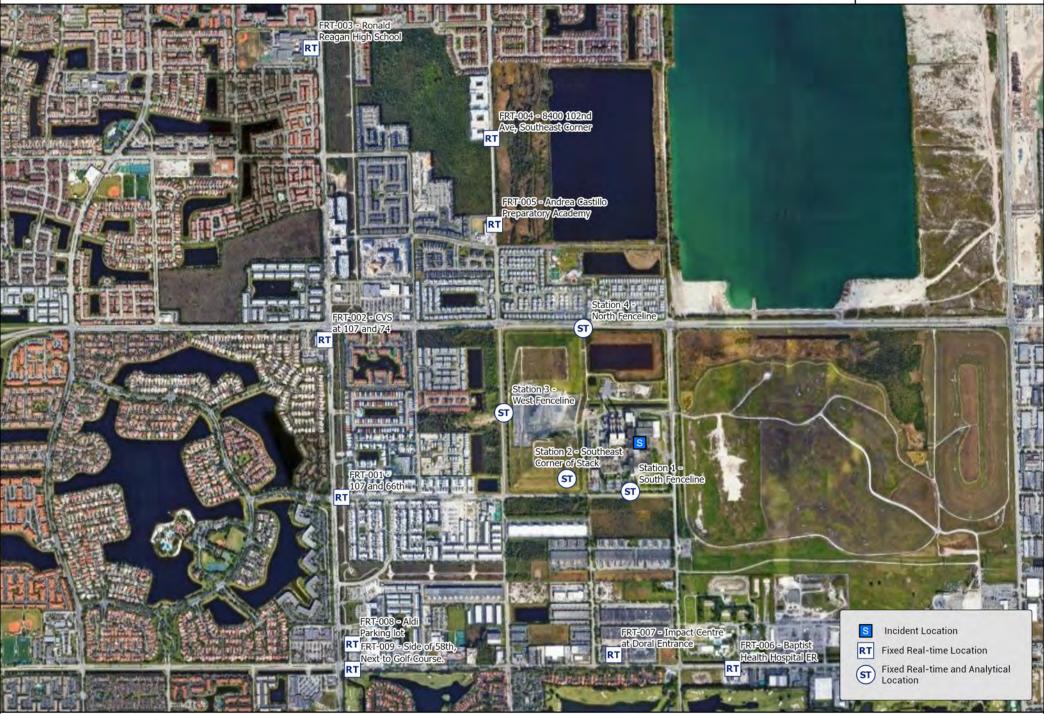
#### Fixed Real-Time Air Monitoring and Analytical Sampling Locations

AN

Client: Covanta Energy City: Doral, FL County: Miami-Dade

Project: PROJ-025114

Doral Florida Facility Fire



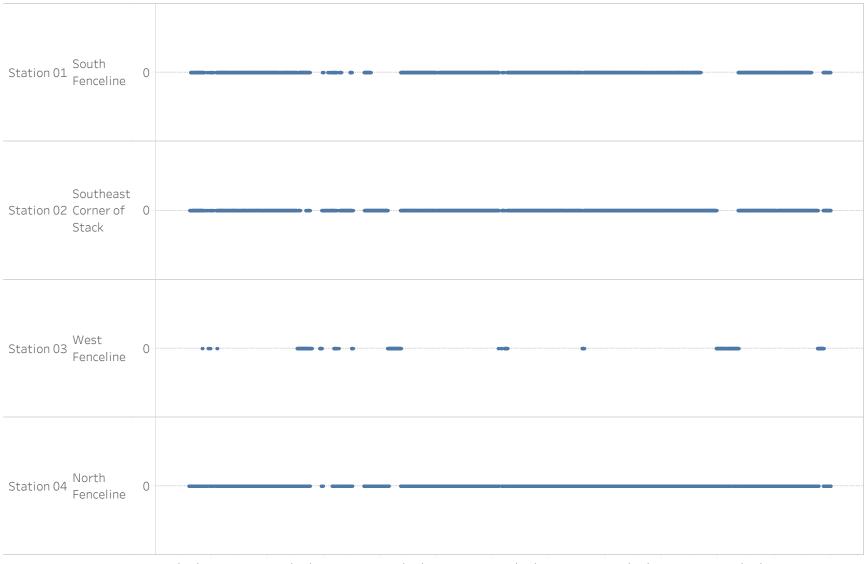
## Attachment C

**AreaRAE Graphs** 

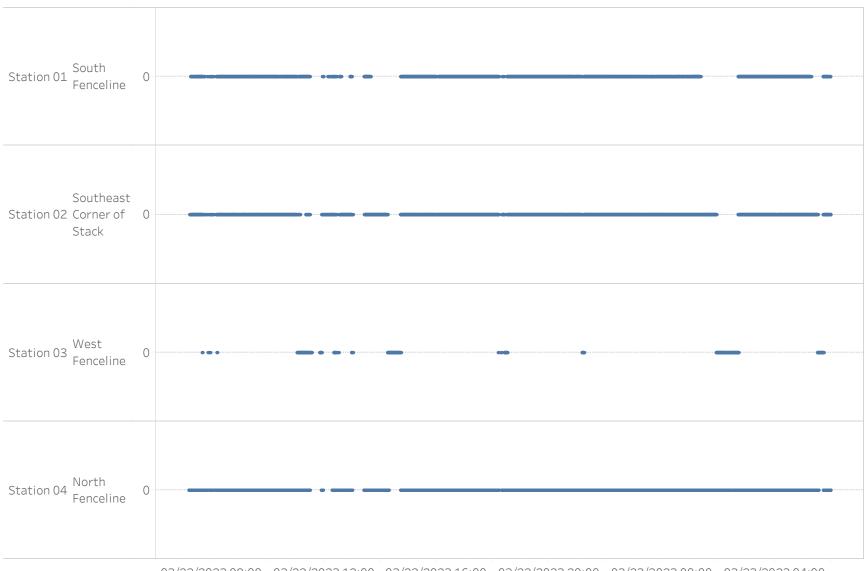


# Preliminary Remote-telemetered Real-time Air Monitoring Readings PROJ-025114 | Doral Florida Facility Fire | Doral, FL

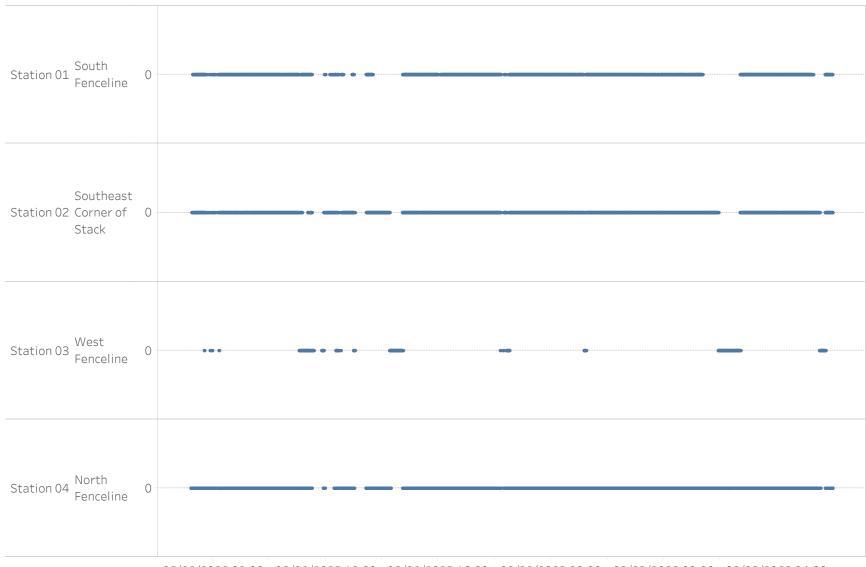
03/22/2023 07:11 to 03/23/2023 06:00 | Analyte: %LEL



# Preliminary Remote-telemetered Real-time Air Monitoring Readings PROJ-025114 | Doral Florida Facility Fire | Doral, FL 03/22/2023 07:11 to 03/23/2023 06:00 | Analyte: CO (ppm)



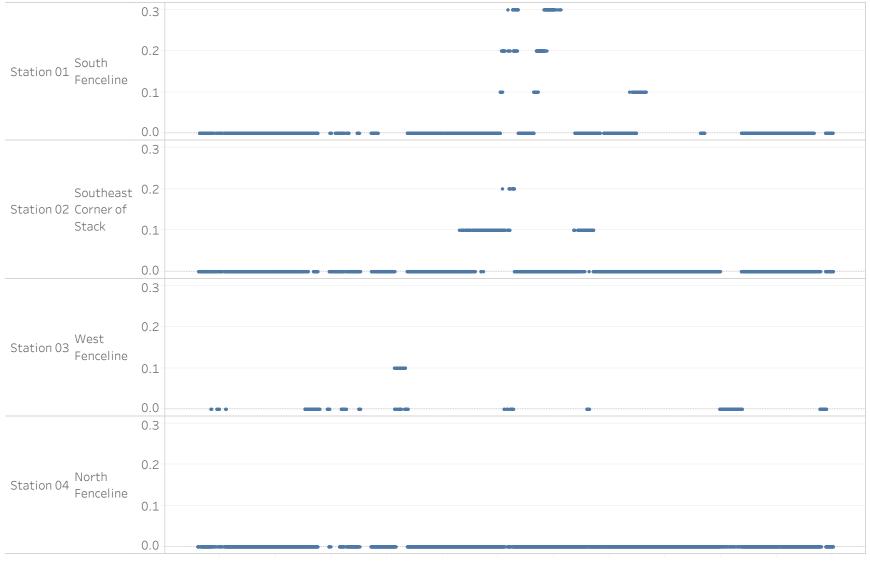
# Preliminary Remote-telemetered Real-time Air Monitoring Readings PROJ-025114 | Doral Florida Facility Fire | Doral, FL 03/22/2023 07:11 to 03/23/2023 06:00 | Analyte: H2S (ppm)



# Preliminary Remote-telemetered Real-time Air Monitoring Readings PROJ-025114 | Doral Florida Facility Fire | Doral, FL 03/22/2023 11:21 to 03/23/2023 06:00 | Analyte: HCN (ppm)



# Preliminary Remote-telemetered Real-time Air Monitoring Readings PROJ-025114 | Doral Florida Facility Fire | Doral, FL 03/22/2023 07:11 to 03/23/2023 06:00 | Analyte: VOCs (ppm)



 $03/22/2023\ 08:00 \quad 03/22/2023\ 12:00 \quad 03/22/2023\ 16:00 \quad 03/22/2023\ 20:00 \quad 03/23/2023\ 00:00 \quad 03/23/2023\ 04:00$ 

## Attachment D

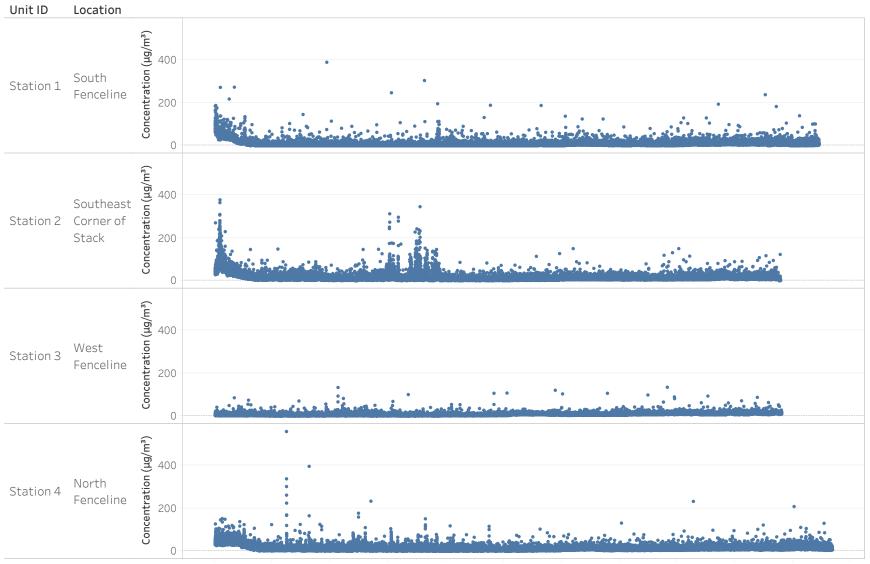
AM520 Graphs



#### Datalogged PM2.5 Air Monitoring Results

PROJ-025114 | Doral Florida Facility Fire | Doral, FL

3/22/2023 07:00:00 to 3/23/2023 04:21:37



3/22/2023 11:00:00 3/22/2023 15:00:00 3/22/2023 19:00:00 3/22/2023 23:00:00 3/23/2023 03:00:00

## Attachment E

**Meteorological Conditions** 



## Weather Station: MIAMI INTL AIRPORT 03/22/2023 07:00 TO 03/23/2023 07:00

