

# Air Monitoring Plan

## Tampa, FL Jet-A Release

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### Contents

1.0 Introduction and Purpose.....	3
2.0 Air Monitoring Locations.....	3
3.0 Real-Time Monitoring.....	3
4.0 Sample Station Locations.....	3
5.0 Data Quality and Management.....	4
6.0 Project Organization.....	4
7.0 Equipment Decontamination.....	4
8.0 Field Documentation.....	4
9.0 Calibration and Maintenance of Field Instruments.....	4

## 1.0 Introduction and Purpose

*Air monitoring for the release of Jet-A is being conducted by Center for Toxicology and Environmental Health, L.L.C. (CTEH). CTEH will continue air monitoring until Unified Command approves cessation. O2 and LEL and Volatile Organic Compounds (VOC) monitoring is to be addressed.*

This work plan addresses air monitoring and monitoring at and around the branches associated with response activities. Thus, the purpose of this monitoring includes the following:

- Monitor the air around the site during mitigation and recovery activities to protect the community and site workers. CTEH will conduct air monitoring until instructed to cease activities by Unified Command. Air monitoring will be conducted and data will be evaluated to continue or discontinue air monitoring.
- Monitor in the community around selected areas to determine background air concentrations in the area.

## 2.0 Air Monitoring Locations

Air monitoring will be conducted in the downwind area of operations. Monitoring will be conducted using RAE Systems MultiRAE Plus handheld PID with electrochemical sensors for LEL and O2. Monitoring will be conducted by datalogged AreaRAEs set to log data for VOC, LEL, and O2 every 15 seconds from 0700 to 1900.

**Figure 2.0 Area Locations**  
*[See MAP In IAP]*

## 3.0 Real Time Monitoring

Real-time air monitoring will be performed and recorded appropriately. The air monitoring equipment used is listed in Table 3.0.

**Table 3.0 Real-Time Air Monitoring Equipment**

Instrument	Chemical/Parameter
AreaRAE	VOC, LEL, O2
MultiRAE Plus	VOC, LEL, O2

## 4.0 Monitoring Station Locations

- Real-time monitoring locations will be selected to protect the community and the site workers. The air monitoring at each selected location will be established to monitor real-time for VOCs, O2 and LEL.
- Manually logged real-time data will be collected electronically using a handheld PDA and uploaded to a database.

- Currently there will be two static AreaRAEs set up to datalog in 15 second intervals during work activities between 0700 and 1900. One will be placed near the staging area off Queen Palm Drive (also the entrance to CitiGroup employee parking, location 3B, see attached map), and the other will be placed on the northern fenceline of the CitiGroup Daycare facility off Queen Palm Drive (location 7, see attached map).
- A third AreaRAE datalogging in 15 second intervals and attached to a vehicle will drive through the work area and surrounding community to cover the remaining locations shown on the map at least once every hour during work activities between the hours of 0700 and 1900.

## 5.0 Data Quality and Management

• All real-time instruments will be calibrated daily or according to the manufacturer recommendations.

• Real-time readings will be documented by handwritten notes, on hand-held PDAs, or by the use of datalogging capabilities of the instrument.

*→ Data added on FTP site ? -*

## 6.0 Project Organization

Unified Command will be responsible for the following:

- Air monitoring
- Air data quality assurance/quality control
- Data evaluation and reporting

## 7.0 Equipment Decontamination

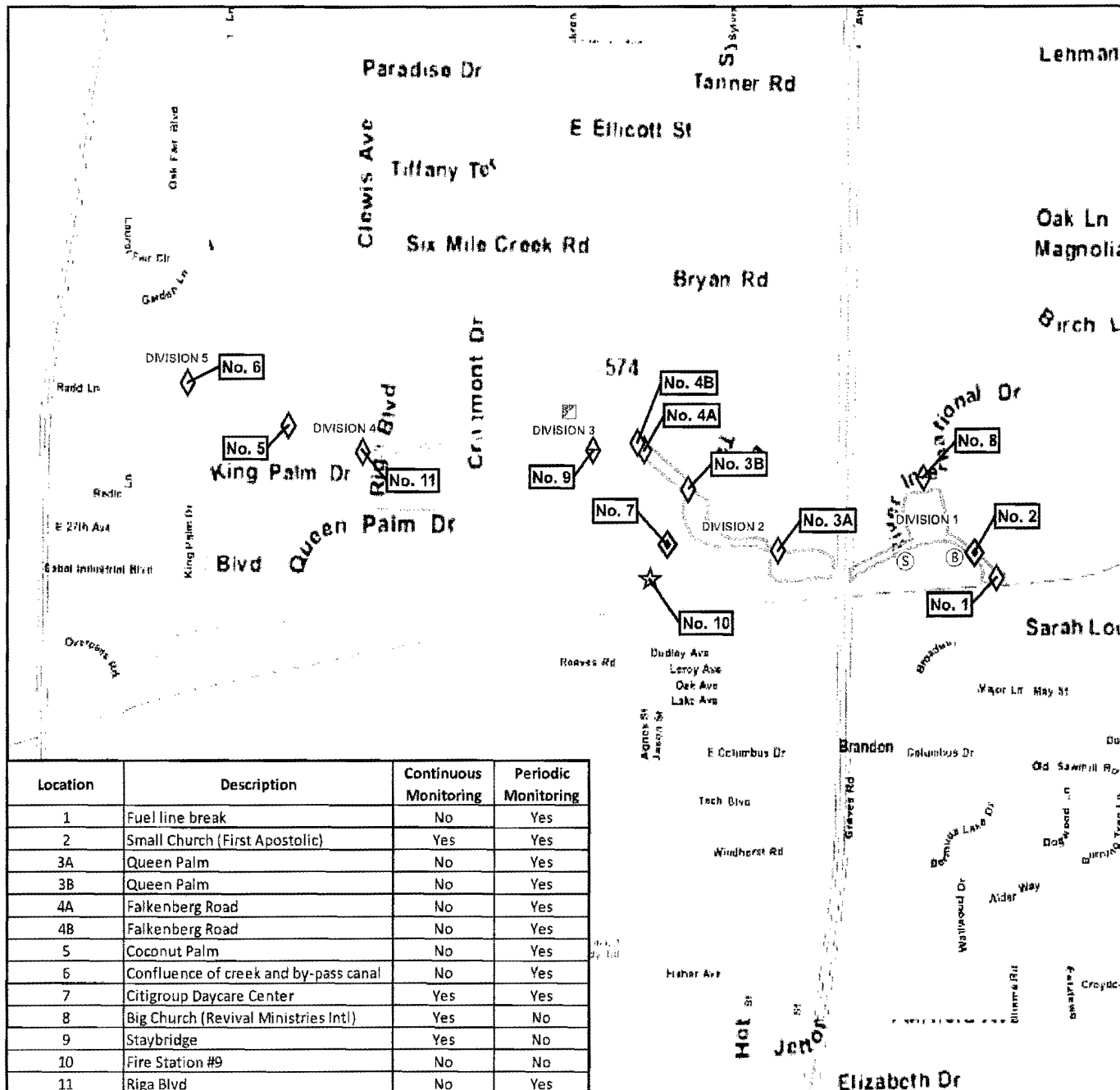
As needed.

## 8.0 Field Documentation

During the project, the team members will maintain various fieldbooks, reports, electronic data collection devices, and logs, as appropriate.

## 9.0 Calibration and Maintenance of Field Instruments

The calibration and maintenance of field equipment and instrumentation will be daily and in accordance with each manufacturer's specifications or applicable test/method specifications, and will be recorded in calibration logs.



## Legend

### Monitoring Locations

- ◇ Periodic Air Monitoring
- ◇ Continuous Air Monitoring
- ◇ Periodic and Continuous Air Monitoring
- ☆ Fire Station
- Mango\_Channel
- ☐ Unified Command Post
- ⓑ Forward Command Post
- Ⓢ Frac Tank Staging Site



0 1,000 2,000  
Feet

1:24,000

Map Source:  
ESRI StreetMap World 2D



United States  
Environmental Protection Agency

KINDER MORGAN  
PIPELINE RELEASE  
TAMPA,  
HILLSBOROUGH COUNTY,  
FLORIDA  
TDD: TTEMI-05-002-0018

FIGURE 2  
AIR MONITORING  
LOCATIONS  
7/28/11



TETRA TECH