

Air Monitoring Plan

Revised

Tampa, FL Jet-A Release

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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

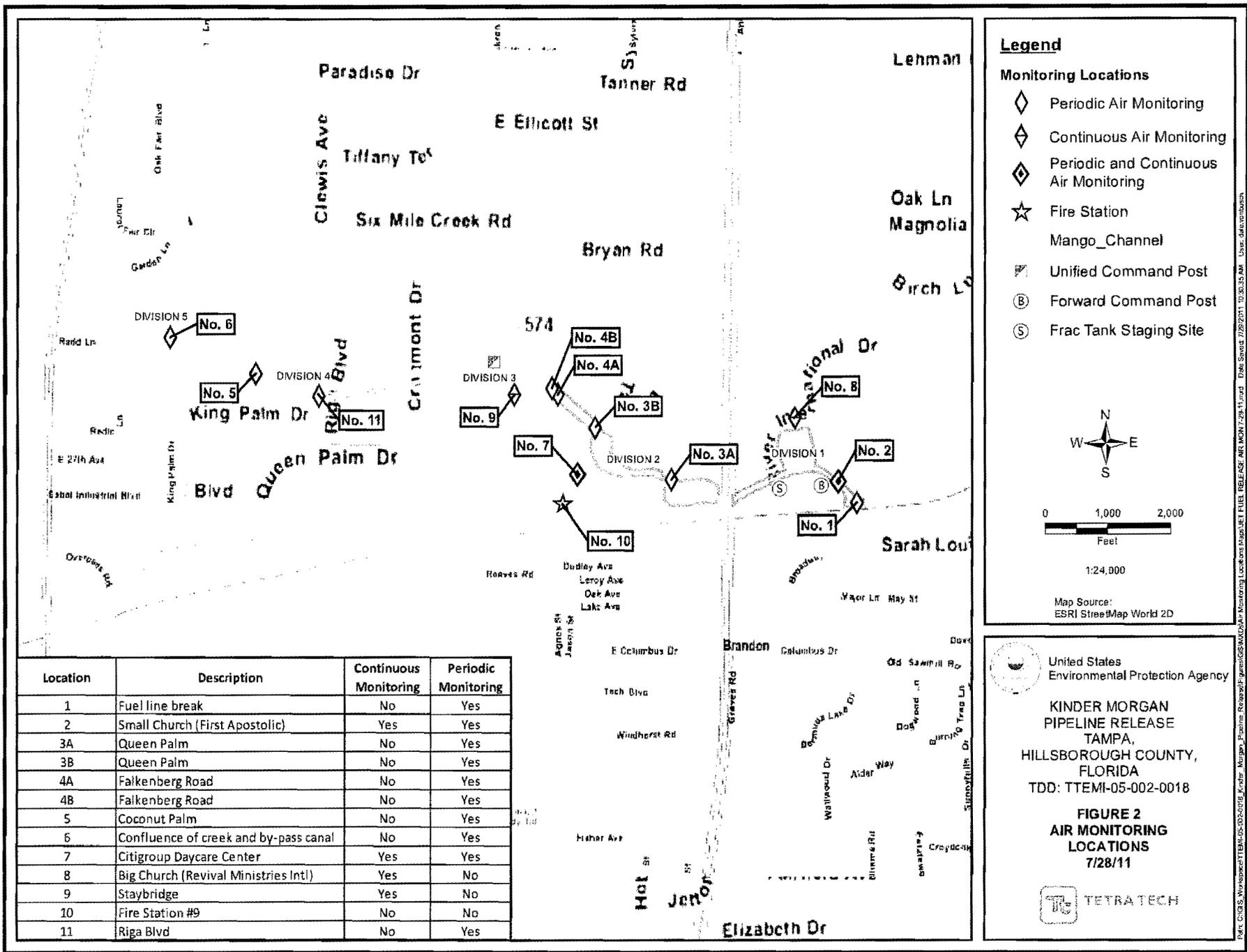
As needed.

8.0 Field Documentation

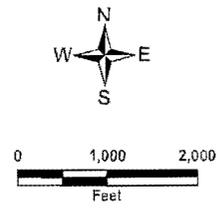
During the project, the team members will maintain various fieldbooks, reports, electronic data collection devices, and logs, as appropriate.

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



1:24,000
Map Source: ESRI StreetMap World 2D

Location	Description	Continuous Monitoring	Periodic Monitoring
1	Fuel line break	No	Yes
2	Small Church (First Apostolic)	Yes	Yes
3A	Queen Palm	No	Yes
3B	Queen Palm	No	Yes
4A	Falkenberg Road	No	Yes
4B	Falkenberg Road	No	Yes
5	Coconut Palm	No	Yes
6	Confluence of creek and by-pass canal	No	Yes
7	Citigroup Daycare Center	Yes	Yes
8	Big Church (Revival Ministries Intl)	Yes	No
9	Staybridge	Yes	No
10	Fire Station #9	No	No
11	Riga Blvd	No	Yes

United States Environmental Protection Agency

KINDER MORGAN PIPELINE RELEASE
TAMPA, HILLSBOROUGH COUNTY, FLORIDA
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FIGURE 2 AIR MONITORING LOCATIONS
7/28/11

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