

October 30, 2012

VIA FEDEX

Jeff Koerner, Administrator  
Office of Permitting and Compliance  
Division of Air Resources Management – DEP  
2600 Blair Stone Road, Mail Station 5505  
Tallahassee, FL 32399-2400

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OCT 31 2012

DIVISION OF AIR  
RESOURCE MANAGEMENT

**Re: Permit Application for EnviroFocus Technologies – Addendum  
ARMS PA Project ID: 0570057-027-AC-PSD-FL-404B**

Dear Mr. Koerner:

On July 31, 2012, ENVIRON International Corporation (ENVIRON) submitted, on behalf of EnviroFocus Technologies, LLC (EFT), four copies of a permit application to revise their sulfur dioxide permit limits and add a new baghouse to ventilate the enclosure at their battery recycling facility in Tampa, Florida. Enclosed are four copies of a modeling report that serves to supplement the information provided in the application. The modeling report can be inserted into the original application binders as Appendix B. Also, the report includes the modeling files in electronic format recorded to a CD.

Thank you for your attention to this matter. If you have any questions, please don't hesitate to contact me at 828-254-0016.

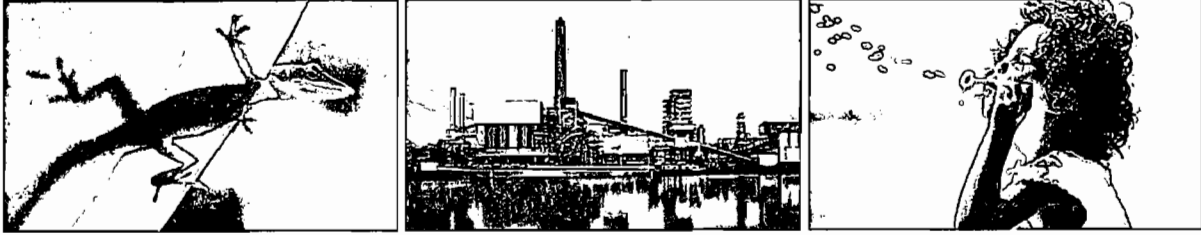
Sincerely,



Frank J. Burbach, PE  
Senior Manager

Enclosures: 4 Modeling Reports

Copy: John Tapper, EnviroFocus Technologies, LLC



Revised Modeling Results for  
Additional Ventilation Stack at  
Battery Recycling Facility

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**OCT 31 2012**

**DIVISION OF AIR  
RESOURCE MANAGEMENT**

Prepared for:  
**EnviroFocus Technologies, LLC**  
Tampa, Florida

Prepared by:  
**ENVIRON (EC) Canada**  
Mississauga, ON

Date:  
**October 2012**

Project Number:  
**07-15422D**

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## 1 Introduction

EnviroFocus Technologies, LLC (EnviroFocus) currently owns and operates a lead-acid battery recycling facility located at 1901 N. 66<sup>th</sup> Street in Tampa (Hillsborough County), Florida. The facility was issued a PSD Permit for an expansion (No. PSD-FL-404) by the Florida Department of Environmental Protection on October 22, 2009. The expansion is nearing completion and EnviroFocus has determined that there is a need for additional building ventilation. This additional ventilation will be provided by a new 160,000 cfm dust collector and associated stack, for which an application was submitted in July 2012. These modeling results serve to revisit the modeling that was performed in the original PSD application to ensure that facility's lead and particulate matter emissions will still comply with the National Ambient Air Quality Standards with the addition of the newly proposed stack. For the purpose of this revision, the significance modeling and full impact analysis were repeated for both lead and particulate matter < 10µm in diameter (PM<sub>10</sub>). The following sections describe the proposed change and summarize the air quality analysis.

## 2 Proposed Change

EnviroFocus is proposing to install a 160,000 cfm cartridge type dust collector (or baghouse), with an associated stack discharging 90 feet above grade. The system will serve the enclosed building housing the furnace operations, increasing the overall exhaust rate such that the NESHAP requirements for negative pressure within the building are satisfied.

The new dust collector is similar in type to the previously approved unit (source I.D. E7) and will serve the same areas. Therefore the same in-stack concentration limits have been proposed. Details of the proposed discharge and emission rates are given in the following tables. The location of the stack is given in Figure 2.1.

### Proposed Discharge Parameters

Source I.D.	NEW_PL1
Height above grade	90 feet (27.4 m)
UTM Coordinates	(364227.4m E, 3093784.8m N)
Discharge Diameter	8 feet (2.4m)
Discharge Velocity	53 ft/s (16.2 m/s)
Volumetric Flow Rate	160,000 cfm (75.6 m <sup>3</sup> /s)
Discharge Temperature	ambient

**Proposed Emission Limits and Emission rates**

Contaminant	Concentration Limit	Maximum Emission Rate
Lead	0.05 mg/dscm	0.030 lb/hr (0.00378 g/s)
PM <sub>10</sub>	11.44 mg/dscm	6.86 lb/hr (0.865 g/s)

### 3 Air Quality Impact Analysis

This ambient air quality impact analysis was revised to include the new baghouse and stack.

In general, the analysis followed the same methodology used in previous submissions, with the following exceptions:

- Addition of the new baghouse and stack;
- Updated meteorological data (2006 to 2010)
- Updated background concentration data; and
- Updated inventory of neighboring sources

Below is a detailed explanation of the methodology used in this analysis and a presentation of the results. All Tables referenced in this section can be found in Appendix A. All Figures are provided in Appendix B.

#### 3.1 Summary of Methodology

The analysis provided in previous application documents established that there were significant impacts resulting from the project, for both lead and PM<sub>10</sub>. As a result, this revision includes:

- Dispersion modeling of facility emissions (with updated inputs) to establish the revised Significant Impact Area (SIA) for each pollutant;
- Development of an updated inventory of neighboring sources, for each pollutant; and
- Demonstration of compliance with the applicable AAQS (i.e. full impact analysis). This analysis consists of estimating the ambient air quality impact resulting from the proposed project's maximum allowable emissions in conjunction with the allowable impacts of neighboring sources and with area sources contributing to the background concentration.

To maintain consistency, the revised analysis used the same significant impact thresholds (see Table 3.1) and the same ambient air quality standards (see Table 3.2) as were used in the most recent submissions for this project.

#### 3.2 Dispersion Modeling

Following is a description of the modeling methodology used in this impact analysis. The methods proposed are in general accordance with the protocol submitted to Florida DEP on May 14, 2008, and subsequent correspondence with Florida DEP, as modified in the following sections.

### 3.2.1 Model Selection

Dispersion modeling was used to predict the ambient air concentrations in the vicinity of the facility resulting from the project. The most recent version of the US EPA-preferred model AERMOD (Version 12060) was used. AERMOD is appropriate for use in estimating ground-level short-term ambient air concentrations resulting from non-reactive buoyant emissions from sources located in simple and complex terrain.

For modeling of PM<sub>10</sub>, the model yields the 24 hour and annual averages directly for comparison to standards. For modeling of lead, however, the US EPA post processing tool LEADPOST (version 12114) was used to calculate the maximum 3-month rolling averages needed for comparison to the standard.

### 3.2.2 Model Control Options

The AERMOD model was executed for the air quality analysis using standard regulatory default options.

### 3.2.3 Modeled Sources at Facility

With the exception of the proposed new baghouse, all sources at the facility were included in the modeling with the same source parameters and emission rates as previously submitted. The new baghouse was modeled with parameters as described in Section 2.

Figure 2.1 depicts the layout of the modeled sources. Point sources are used to represent sources with identifiable emission points that have either thermal buoyancy or momentum. Table 3.3 lists modeling parameters of all point sources at the facility.

Volume sources are used to represent sources that emanate from a diffuse volume of space, such as fugitive and mobile sources. Fugitives from the plastics plant were modeled as a volume source with the height of the building and a lateral dimension of 40 meters, from which the initial vertical and horizontal dimensions of the volume source were derived, as summarized in Table 3.4. Table 3.5 summarizes the emission rates for all EnviroFocus non-road sources.

Since shipping is conducted with 18-wheeler trucks, maximum vehicle width and height for the state of Florida<sup>1</sup> were used to estimate the dimensions of volume sources that represent the fugitive emissions from the truck traffic on paved roads, based on the methodology described in the Texas Natural Resource Conservation Commission's guidelines<sup>2</sup>, as presented in Table 3.6. Table 3.7 summarizes the source parameters of the individual volume sources.

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<sup>1</sup> Florida Department of Transportation. 2006. Commercial Motor Vehicle Manual.

<sup>2</sup> Texas Natural Resource Conservation Commission. 1999. Air Quality Modeling Guidelines. February.

### **3.2.4 Meteorological Data**

#### **3.2.4.1 Data Selection**

AERMOD requires a meteorological input file to characterize the transport and dispersion of pollutants in the atmosphere. Updated surface and upper air meteorological data files for use in the model were provided by the Florida Department of State (FDEP)<sup>3</sup>. The files included the most recent five years of data (2006 to 2010) collected at Tampa Airport, Tampa, Florida. The data supplied had been fully preprocessed by FDEP with appropriate surface characteristics.

#### **3.2.5 Land Use Classification**

The land use had previously been analyzed and found to be rural in the original 2008 application for a PSD permit. The same classification was used in the current modeling.

#### **3.2.6 Terrain Data**

Terrain elevations are incorporated into the modeling using the most recent version of AERMAP (version 11103), AERMOD's terrain preprocessor. For this modeling exercise, terrain data is extracted from 7.5-minute Digital Elevation Model (DEM) files with a 30-meter grid spacing that were produced by the United States Geological Society (USGS). The elevations for the buildings and EUs on the EnviroFocus property were previously refined for the 2008 application for a PSD permit according to height differences associated with building foundations. Thus, those same elevations were used in this modeling.

#### **3.2.7 Building Downwash**

Building downwash algorithms incorporated into the AERMOD model account for the effects of the aerodynamic wakes and eddies produced by plant buildings and structures on plume dispersion. Building downwash is the effect of nearby structures on the flow of emissions from their respective sources.

Figure 2.1 shows the locations of buildings at the facility. The model parameters for the structures can be found in the associated BPIP file provided in Appendix C, and the placement of the buildings can be found in Figure 3.1.

#### **3.2.8 Receptor Grid**

For the lead modeling, a Cartesian grid was used with receptor spacing of 50 meters.

For the PM10 modeling, a nested Cartesian grid was used, with the following spacing:

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<sup>3</sup> Email of August 8, 2012 from M. Lovin.



- 50-meter spacing, extending from the fenceline to 0.5 kilometers
- 100-meter spacing, extending from 0.5 to 2.5 kilometers

The grids extended just beyond the SIA for each pollutant. In addition to the Cartesian receptor grids, the modeling included discrete receptor points, spaced every 50 meters, along the facility fenceline.

### 3.3 Significant Impact Area

In the significance modeling, the furthest point at which the facility's proposed emissions would have a significant impact was found. All emissions from the facility were modeled with the five years of meteorological data, and resulting concentrations (at the appropriate averaging period) were compared to the significance thresholds for each pollutant given in Table 3.1. The distance from the facility to the furthest point where a significance threshold was exceeded determined the radius of the pollutant's significant impact area<sup>4</sup> (SIA). This area was then used as the receptor coverage area in the subsequent full impact analysis. The radius of the SIA for each pollutant is given in Table 3.8.

For lead, the significant impacts extended up to 1.1 kilometers away from the facility. Figure 3.2 depicts the SIA for lead.

For PM<sub>10</sub>, the significant impacts extended up to 2.4 and 2.0 km, for the 24-hour and annual averaging periods respectively. The maximum radius of impact (resulting from the 24-hour modeling) of 2.4 was used to establish the SIA. Figure 3.3 depicts the area of significant impact for PM<sub>10</sub>.

### 3.4 Background Concentrations

#### 3.4.1 Lead

Local monitored data was used to represent the potential impact that local area and mobile sources could have on the area of significant impact. Lead monitoring data was obtained from the USEPA Air Quality System, monitoring station No. 120570100, for the period June 2010 to March 2012. This monitor is approximately 0.9km to the north of EnviroFocus, and the location relative to the facility is shown in Figure 3.4.

Due to its close proximity to the EnviroFocus facility, monitored concentrations at this station will be strongly influenced by facility emissions. As a result, the data was filtered to remove measurements where the wind direction could potentially transport pollutants from EnviroFocus

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<sup>4</sup> For a pollutant such as PM<sub>10</sub> which has two averaging periods, the averaging period with the greatest radius sets the size of the area of significant impact for all averaging periods in the full impact analysis.

to the station. More specifically, the data was filtered to remove measurements where at least one hour in the 24-hour measurement period had wind direction in the range of 175° to 200° (blowing from) – see Figure 3.4. This analysis used hourly wind speed and direction data for the monitored period obtained for Tampa Airport in ISD-Lite format from NOAA. After filtering, a total of 116 measurements remained that were not influenced by EnviroFocus.

Monthly averages were calculated from the filtered data, and rolling 3-month averages were then computed from this monthly data. The highest 3-month average calculated over the monitoring period, 0.0159  $\mu\text{g}/\text{m}^3$  was then used as the background lead concentration. The 3-month averages are provided in Table 3.9.

### 3.4.2 $\text{PM}_{10}$

FDEP provided ENVIRON with a summary of  $\text{PM}_{10}$  measurements at 3 monitoring locations in Hillsborough County<sup>5</sup>, which can be found along with the background value for lead in Table 3.10. For 2011, the closest of these three stations (CGS - Davis Island, AQS Monitor ID: 12-057-1035-81102-1) measured a first-highest 24-hour average  $\text{PM}_{10}$  concentration of 45 $\mu\text{g}/\text{m}^3$ , and an annual concentration of 20.2  $\mu\text{g}/\text{m}^3$ . These values were used to represent the background concentration in the area.

## 3.5 Inventory of Neighboring Sources

“Neighboring” sources in the vicinity of the proposed source, as defined under the PSD program, include any nearby sources within the area of significant impact and any sources outside this area but within 50 kilometers of the area which could have a significant impact on receptors within the Significant Impact Area (SIA). FDEP provided ENVIRON with an inventory of lead and  $\text{PM}_{10}$  emitting sources, extending beyond 50km from the SIA<sup>6</sup>.

### 3.5.1 Removing Insignificant Sources

Insignificant sources were removed from this inventory by:

1. Omitting any emission unit (EU) more than 50km away from the SIA.
2. Omitting any EU or source designated as “Inactive”.
3. Applying the North Carolina “20D” rule to determine the significance of each offsite  $\text{PM}_{10}$  source. This rule indicates that any offsite source within the SIA having nonzero total annual emissions (in tpy) must be included in the modeling. In addition, any offsite source whose short-term emissions (in tpy) are at least 20 times greater than the distance to the PSD facility must be included, and any offsite source whose long-term

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<sup>5</sup> Email of October 4, 2012 from M. Lovin

<sup>6</sup> Email of September 12, 2012 from M. Lovin

emissions (in tpy) are at least 20 times greater than the distance to the SIA must be included.

Table 3.11 summarizes the results of the 20-D screening of neighboring facilities for the PM<sub>10</sub> AAQS inventory. The 20-D screening was not applied to lead sources: i.e. all lead sources within 50 kilometers of the SIA were included in the inventory, and a record of these facilities can be found in Table 3.12.

### 3.5.2 Filling Missing Data

FDEP indicated that the inventory provided had not been subjected to any quality assurance (QA) checks or procedures. In many cases the data (e.g. emission rates, discharge parameters) for each EU was not complete, and in some cases the records for EUs were duplicated. ENVIRON refined the inventory conservatively as described below.

Duplicate records for EUs were removed from the inventory. Where the records did not have identical emission rates, the record with the highest emission rate was retained.

The data from FDEP included fields for potential, allowable and actual emission rates (in lb/h or tpy), but few records included all of these values. Where available, the allowable emission rate was retained in the refined inventory. Where the allowable emission data was missing, potential emission rates were used. If neither allowable nor potential emission rates were given, the actual emission rate was used. Tables 3.13 and 3.14 include the emission rates resulting from this process, for lead and PM<sub>10</sub>, respectively.

Where source parameters (e.g. stack height, diameter, flow rate, etc.) were missing, assumptions were made to fill in the missing data following consistent rules. If any of these sources were found to be in exceedance after the implementation of these conservative assumptions, the assumptions were then further investigated and refined. The rules for filling in this information are as follow:

1. If the EU description suggests that it is likely a point source, and if:
  - a) No stack parameters other than the flow rate (in ACFM) are given, apply the conservative parameters from another similar EU present at that facility (e.g. shortest height, lowest temperature). If flow rate only exists in DSCFM, use this as a conservative value for flow rate. If no flow rate is given, apply the lowest flow rate from another EU at that facility;
  - b) No stack parameters are given and the EU is the sole EU for that facility, apply the conservative parameters of stack height = 5m, stack temperature = ambient temperature, and exit velocity = 5 m/s;
2. If the EU has no stack parameters, and the inventory indicates that it is likely a fugitive emission, apply the conservative volume source parameters of side length = 10m, a release height = 5m, and the emission rate of the source in question

3. If the EU is beyond 1km outside the SIA, and if the release type is unclear, treat it as a fugitive emission with the parameters outlined in item 2 above.

Figures 3.5 and 3.6 depict the facilities considered for inclusion in the AAQS modeling inventory for lead, and PM<sub>10</sub>, respectively. The emission sources, their locations and stack parameters are summarized for these two pollutants in Tables 3.13 and 3.14, respectively.

### 3.5.3 Refinement of Neighboring Sources

Initial model runs indicated that one neighboring source was problematic, in that emissions from the source exceeded the AAQS for PM<sub>10</sub> on its own. This source was considered in more detail in order to refine the analysis.

Facility ID 7771101, Woodruff & Sons Inc., is located within the circular SIA, approximately 1km from EnviroFocus, based on coordinates provided by FDEP. A problematic fugitive source at this facility (non-metallic mineral product crusher/stacker/screener) results in exceedance of the 24-hour PM<sub>10</sub> AAQS on its own. The UTM coordinates of the facility were found to be incorrect, and were replaced with UTM coordinates 361885E, 3093420N, placing the facility about 2.3km from EnviroFocus. In addition, volume source parameters were adjusted to 35m square x 7m high with release height of 3.5m to represent actual process size, based on aerial photography.

### 3.6 Full Impact Analysis

A full impact analysis demonstrates the impacts of EnviroFocus sources, in conjunction with significant neighboring sources and background concentrations.

The AERMOD dispersion model was used with emissions from EnviroFocus and all significant neighboring sources to estimate ambient air concentration within the SIA. For modeling of lead, the full 5 year period was modeled, and the results were post-processed with LEADPOST. The resulting maximum 3-month rolling average lead concentration is given in Table 3.15.

Background concentrations were added to model predictions for comparison to the AAQS, as presented in the table. The table demonstrates that the maximum 3-month rolling average lead concentration is 0.13 µg/m<sup>3</sup>, which does not exceed the AAQS of 0.15 µg/m<sup>3</sup>.

For modeling of PM<sub>10</sub>, each year from 2006 to 2010 was modeled individually to establish annual averages for each year. The resulting peak 24-hour (2<sup>nd</sup> high) PM<sub>10</sub> concentration and peak annual PM<sub>10</sub> concentration are given in Table 3.16a. Background concentrations were added to model predictions for comparison to the AAQS, as presented in the table.

The PM<sub>10</sub> modeling indicated the AAQS was exceeded within the circular SIA (see Table 3.16a) for both the 24-hour and annual averaging periods. However, on closer inspection of the modeling results it is clear that the maximum concentration resulting from EnviroFocus is less than the significance threshold at any receptor where the AAQS is exceeded. That is, EnviroFocus' contribution is insignificant at any location where the AAQS is exceeded. For the

24-hour average, this is clearly illustrated in Figures 3.7 to 3.11 which show the receptors where an exceedance occurs, and the receptors where EnviroFocus exceeds the significance level, for each year of the modeling. For the annual average, an exceedance occurs at one receptor only (361840, 3093393) for each year, but the maximum concentration due to EnviroFocus at this location is less than the significance threshold.

Table 3.16b presents overall concentrations from all sources at all receptors where concentrations resulting from EnviroFocus exceed the significance threshold. The table indicates that the AAQS are not exceeded at any point where EnviroFocus has a significant impact.

Results of the modeling are presented graphically in Figures 3.12 to 3.14.

### **3.6.1 Summary of Results of the Full Impact Analysis**

The lead 3-month rolling average AAQS compliance analyses showed that there are no potential exceedances of the AAQS. Table 3.15 summarizes these results.

The PM<sub>10</sub> 24-hour and annual AAQS analysis showed that there are no potential exceedances of the AAQS at receptors where EnviroFocus has a significant impact. Table 3.16 summarizes these results.

**Appendix A:  
Tables**

**Table 3.1**  
**Significant Impact Thresholds**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

<b>Pollutant</b>	<b>Averaging Period</b>	<b>Significance Threshold<sup>1</sup></b>	<b>Units</b>
Particulate Matter (PM <sub>10</sub> )	24-hour	5 <sup>2</sup>	µg/m <sup>3</sup>
	Annual	1	µg/m <sup>3</sup>
Lead (Pb)	Calendar quarter	0.03	µg/m <sup>3</sup>

**Notes:**

<sup>1</sup> Significance thresholds from FDEP Rule 62-210.200(275), <http://www.dep.state.fl.us/legal/Rules/air/62-210/62-210.pdf>.

<sup>2</sup> To be exceeded no more than once per year.

**Table 3.2**  
**National and State Ambient Air Quality Standards**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Pollutant	Averaging Period	Federal Standard	Florida Standard
Particulate Matter (PM <sub>10</sub> )	24-hour	150 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>
	Annual	---	50 µg/m <sup>3</sup>
Lead (Pb)	Rolling 3-Month	0.15 µg/m <sup>3</sup>	0.15 µg/m <sup>3</sup>



**Table 3.3**  
**EFT Modeling Source Parameters - Point Sources**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Source ID	Source	Coordinates		Exit Flowrate		Diameter		Exit Velocity <sup>1</sup>	Temperature		Stack Height	
		UTMx (m)	UTMy (m)	(ft <sup>3</sup> /min)	(m <sup>3</sup> /sec)	(in)	(m)	(m/sec)	(F)	(K)	(ft)	(m)
E1	Refinery Combustion Stack C <sup>2</sup>	364,053	3,093,769	2000	0.94	24	0.61	3.2	450	505	54.76	16.7
E2	Refinery Combustion Stack B <sup>2</sup>	364,058	3,093,753	2000	0.94	24	0.61	3.2	450	505	54.11	16.5
E3	Refinery Combustion Stack A <sup>4</sup>	364,081	3,093,769	1000	0.47	17	0.43	3.2	450	505	89.25	27.2
E4	Combined Stack of Feed Dryer, Reverb Furnace and Blast Furnace	364,057	3,093,807	58886	27.8	60	1.52	15.2	150	339	130	39.6
E6	Hygiene Baghouse and Stack	364,092	3,093,823	72000	34.0	60	1.52	18.6	150	339	130	39.6
E7	Torit Building Ventilation Torit Stack	364,134	3,093,819	195000	92.0	96	2.44	19.7	ambient	ambient	130	39.6
E8	Breaker Scrubber Stack	364,176	3,093,758	25,700	12.1	42	1.07	13.6	ambient	ambient	130	39.6
E9	Silo Bin Vent	364,181	3,093,742	650	0.31	16	0.41	0.001	ambient	ambient	70	21.3
E10	Silo Bin Vent	364,183	3,093,736	650	0.31	16	0.41	0.001	ambient	ambient	70	21.3
E11	Soda Ash Slurry Exhaust	364,184	3,093,740	800	0.38	8	0.20	11.6	300	422	20.2	6.2
E12	Geneartor Exhaust	364,179	3,093,737	3845	1.8	8	0.20	56.0	941	778	11.2	3.4
E15	Silo Bin Vent	364,195	3,093,833	650	0.31	16	0.41	0.001	ambient	ambient	35	10.7
E16	Plastics Bin Vent	364,215	3,093,740	1,750	0.83	14	0.36	0.001	ambient	ambient	68.5	20.9
E18	Propane Vaporizer	364,030	3,093,858	500	0.24	8	0.20	0.001	600	589	9	2.8
NEW_PL1	New Baghouse Stack	364,227	3,093,785	160000	75.5	96	2.44	16.2	ambient	ambient	90.0	27.4

**Notes:**

<sup>1</sup> Stacks with rain caps were modeled with a 0.001 m/sec exit velocity.

<sup>2</sup> Stack A represented two co-located stacks with flowrate and stack area equivalent of two stacks. Stacks B and C each represented four co-located stacks with flowrate and stack area equivalent of four stacks.

**Table 3.4**  
**EFT Modeling Source Parameters - Volume Sources**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Source	Coordinates		Height (m)	Width (m)	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)
	UTMx (m)	UTMy (m)					
Plastics Plant	364217	3093782	17.4	40	8.7	9.30	8.09

**Table 3.5**  
**EnviroFocus Facility Point and Volume Source Emission Rates**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Source ID	Coordinates		Emission Rates		
	UTM <sub>x</sub> (meters)	UTM <sub>y</sub> (meters)	PM <sub>10</sub> Shortterm Emission Rate (g/s)	PM <sub>10</sub> Longterm Emission Rate (g/s)	Lead Emission Rate (g/s)
E1	364,053	3,093,769	1.53E-02	1.53E-02	1.01E-06
E2	364,058	3,093,753	1.53E-02	1.53E-02	1.01E-06
E3	364,081	3,093,769	7.66E-03	7.66E-03	5.04E-07
E4	364,057	3,093,807	2.43E-01	2.43E-01	6.43E-03
E6	364,092	3,093,823	3.38E-01	3.38E-01	5.92E-03
E7	364,134	3,093,819	1.05E+00	1.05E+00	4.66E-03
E8	364,176	3,093,758	1.39E-01	1.39E-01	9.70E-03
E9	364,181	3,093,742	7.02E-03	7.02E-03	0.00E+00
E10	364,183	3,093,736	7.02E-03	7.02E-03	0.00E+00
E11	364184	3093740	4.79E-04	4.79E-04	3.15E-08
E12	364179	3093737	3.78E-03	3.78E-03	0.00E+00
E15	364,195	3,093,833	7.02E-03	7.02E-03	0.00E+00
E16	364,215	3,093,740	1.89E-03	1.89E-03	0.00E+00
E18	364,030	3,093,858	9.98E-04	9.98E-04	0.00E+00
NEW_PL1	364227	3093785	8.64E-01	8.64E-01	3.78E-03
PLASTIC	364217	3093782	1.52E-02	1.52E-02	0.00E+00

**Table 3.6**  
**Physical and Modeling Parameters of Road Emissions**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Source	Parameters		
Truck Traffic on Paved Roads	Length	10,730	feet
		3,271	meters
	Width	2.59	meters
	Adjusted width <sup>1</sup>	8.59	meters
	Maximum vehicle height in Florida	14	feet
		4	meters
	Release height	4.1	meters
	Height of volume source	8.23	meters
	Initial vertical dimension	3.80	meters
	Hours of truck traffic	16 h/day - 6:00am to 10:00pm	

**Note:**

<sup>1</sup> Adjusted road widths were calculated based on the maximum vehicle width in Florida and the Texas Natural Resource Conservation Commission (TNRCC) modeling guidelines (TNRCC 1999).

**Reference:**

Texas Natural Resources Conservation Commission (TNRCC). 1999. *Air Quality Modeling Guidelines*. February.

([http://www.tnrcc.state.tx.us/permitting/airperm/nsr\\_permits/admt/guid\\_docs/rg25.pdf](http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/admt/guid_docs/rg25.pdf))

Florida Department of Transportation. 2006. *Commercial Motor Vehicle Manual*.

(<http://www.dot.state.fl.us/mcco/downloads/TruckingManual%20-%206th%20Edition%202006%20english.pdf>)





**Table 3.7**  
**Modeling Source Parameters - Line/Volume Sources**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Road ID	Coordinates		Modeling Parameters					
	UTM <sub>x</sub> (meters)	UTM <sub>y</sub> (meters)	Release Height (meters)	Initial Lateral Dimension (meters)	Initial Vertical Dimension (meters)	PM <sub>10</sub> Shortterm Emission Rate (g/s)	PM <sub>10</sub> Longterm Emission Rate (g/s)	Lead Emission Rate (g/s)
RD4_19	363970	3093813	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_2	364137	3093876	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_20	363976	3093822	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_21	363983	3093832	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_22	363984	3093830	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_23	363978	3093817	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_24	363972	3093804	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_25	363966	3093791	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_26	363960	3093778	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_3	364137	3093863	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_4	364134	3093855	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_5	364128	3093848	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_6	364116	3093841	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_7	364101	3093837	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_8	364087	3093832	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD4_9	364073	3093828	4.10	4.00	3.80	5.13E-05	3.42E-05	7.50E-07
RD5_1	364137	3093888	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_10	364061	3093825	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_11	364047	3093821	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_12	364034	3093817	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_13	364020	3093813	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_14	364006	3093809	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_15	363995	3093799	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_16	363990	3093787	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_2	364137	3093876	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_3	364137	3093864	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_4	364134	3093855	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_5	364128	3093848	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_6	364116	3093842	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_7	364102	3093838	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_8	364088	3093834	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD5_9	364075	3093829	4.10	4.00	3.80	5.90E-05	3.69E-05	8.11E-07
RD6_1	364137	3093888	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_2	364137	3093873	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_3	364137	3093858	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_4	364137	3093844	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_5	364133	3093834	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_6	364123	3093828	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD6_7	364113	3093824	4.10	4.00	3.80	6.13E-05	3.07E-05	6.73E-07
RD7_1	363959	3093745	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_10	364055	3093705	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_11	364071	3093702	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_12	364084	3093705	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_13	364098	3093710	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_14	364111	3093715	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_2	363966	3093756	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_3	363972	3093749	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_4	363977	3093736	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_5	363982	3093722	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_6	363995	3093716	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_7	364010	3093713	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_8	364025	3093711	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD7_9	364040	3093708	4.10	4.00	3.80	1.40E-04	8.62E-05	1.90E-06
RD8_1	364209	3093851	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_2	364195	3093854	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_3	364182	3093858	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_4	364169	3093861	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_5	364157	3093865	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_6	364147	3093874	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD8_7	364143	3093887	4.10	4.00	3.80	6.38E-05	3.55E-05	7.81E-07
RD9_1	364167	3093807	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_2	364163	3093821	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_3	364159	3093834	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_4	364155	3093847	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_5	364151	3093861	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_6	364147	3093874	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06
RD9_7	364143	3093888	4.10	4.00	3.80	2.17E-04	1.36E-04	2.98E-06

**Table 3.8**  
**Results of Significant Impact Area Modeling**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Pollutant	Averaging Period	PSD Significant Impact Levels	Radius of Significant Impact Area (km)
Particulate Matter (PM <sub>10</sub> )	24-hour	5 µg/m <sup>3</sup>	2.4
	Annual	1 µg/m <sup>3</sup>	2.0
Lead (Pb)	Calendar quarter	0.03 µg/m <sup>3</sup>	1.1



**Table 3.9**  
**Background Lead Monthly Average Concentrations**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Month/Year	Monthly Average Concentration ( $\mu\text{g}/\text{m}^3$ )	Months to Roll	Rolling 3-Month Average Concentration ( $\mu\text{g}/\text{m}^3$ )
Jun-10	0.0068		
Jul-10	0.0081		
Aug-10	0.0108	June-Aug	0.0086
Sep-10	0.0081	Jul-Sept	0.0090
Oct-10	0.0156	Aug-Oct	0.0115
Nov-10	0.0064	Sept-Nov	0.0100
Dec-10	0.0144	Oct-Dec	0.0121
Jan-11	0.0108	Nov-Jan	0.0105
Feb-11	0.0060	Dec-Feb	0.0104
Mar-11	0.0101	Jan-Mar	0.0090
Apr-11	0.0044	Feb-Apr	0.0068
May-11	0.0093	Mar-May	0.0080
Jun-11	0.0060	Apr-June	0.0066
Jul-11	0.0213	May-July	0.0122
Aug-11	0.0100	June-Aug	0.0124
Sep-11	0.0065	Jul-Sept	0.0126
Oct-11	0.0058	Aug-Oct	0.0074
Nov-11	0.0140	Sept-Nov	0.0088
Dec-11	0.0090	Oct-Dec	0.0096
Jan-12	0.0248	Nov-Jan	<b>0.0159</b>
Feb-12	0.0088	Dec-Feb	0.0142
Mar-12	0.0055	Jan-Mar	0.0130
<b>Maximum</b>			<b>0.016</b>

**Note:** The analysis excluded all measurements where wind blew from EnviroFocus to the monitor for at least 1 hour of the 24 hour measurement period.

**Table 3.10**  
**Summary of Background Concentrations**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

<b>Pollutant</b>	<b>Background Concentration</b>	<b>Units</b>	<b>Monitor ID</b>	<b>Averaging Period</b>
PM <sub>10</sub>	45 <sup>a</sup>	µg/m <sup>3</sup>	120571035	24-hour
	20.2 <sup>b</sup>	µg/m <sup>3</sup>	120571035	Annual
Lead	0.016 <sup>c</sup>	µg/m <sup>3</sup>	120570100	3-Month Rolling Average

**Notes:**

<sup>a</sup> 1st highest monitored value in 2011

<sup>b</sup> Highest monitored value in 2011

<sup>c</sup> Highest rolled 3-month average from June 2010 - March 2012 monitored data

**Table 3.11**  
**Summary of Active Facilities Within 50 km of PM10 Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT Center (Shortterm)	Distance from EFT SIA (Longterm)	Total PM <sub>10</sub> Emissions (Shortterm)	Total PM <sub>10</sub> Emissions (Longterm)	Within 50 km of EFT Center and PM <sub>10</sub> Emissions over 20D? (Shortterm Screening)	Within 50 km of PM10 SIA and PM <sub>10</sub> Emissions over 20D? (Longterm Screening)
		(km)	(km)	(tpy)	(tpy)		
570032	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	5.1	2.6	0.000	0.000	NO	NO
7775424	AJAX PAVING INDUSTRIES, INC.	8.2	5.7	11.403	11.403	NO	NO
570247	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	9.8	7.3	0.000	0.000	NO	NO
1010505	AGRI-SOURCE FUELS, LLC	49.6	47.1	0.500	0.500	NO	NO
810063	AJAX PAVING INDUSTRIES, INC.	40.6	38.1	2.305	2.305	NO	NO
1010027	AJAX PAVING INDUSTRIES, INC.	34.8	32.3	2.235	2.235	NO	NO
810053	AMERICAN CEMENT COMPANY, LLC	39.8	37.3	18.102	18.090	NO	NO
571402	ANCHOR SANDBLASTING AND PAINTING, INC	5.3	2.8	45.800	45.800	NO	NO
1010017	FLORIDA POWER CORPDBAPROGRESS ENERGY FL	47.0	44.5	91.230	91.354	NO	NO
7770262	ANGELO'S AGGREGATE MATERIALS	38.7	36.2	0.132	0.132	NO	NO
1050099	AOC, L.L.C.	39.8	37.3	47.230	47.230	NO	NO
1010041	APAC- SOUTHEAST, INC., CENTRAL FL. DIV	34.8	32.3	0.273	0.273	NO	NO
570223	APAC-SOUTHEAST, INC CENTRAL FLORIDA DIV.	4.3	1.8	86.555	74.900	YES	YES
1050097	ARRMAZ CUSTOM CHEMICALS	44.9	42.4	0.702	0.702	NO	NO
570160	BALL METAL BEVERAGE CONTAINER CORP.	9.7	7.2	1.776	1.776	NO	NO
1050021	ASHLAND INC.	48.0	45.5	0.580	0.580	NO	NO
1050064	FLORIDA ROCK INDUSTRIES INC	53.0	50.5	367.525	368.996	NO	NO
1030011	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	24.3	21.8	367.525	368.996	NO	NO
1030017	S. E. CEMETERIES OF FLORIDA, L.L.C.	37.7	35.2	0.000	0.000	NO	NO
1030288	BAY LINEN, INC.	32.3	29.8	0.016	0.016	NO	NO
1030013	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	33.7	31.2	0.104	0.104	NO	NO
570121	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	18.8	16.3	0.000	0.000	NO	NO
570039	TAMPA ELECTRIC COMPANY (TEC)	19.0	16.5	804.263	804.257	YES	YES
570094	MOSAIC FERTILIZER, LLC	17.9	15.4	46.816	46.816	NO	NO
570461	BLACKLIDGE EMULSIONS INCORPORATED	4.7	2.2	1.677	1.677	NO	NO
571342	BLACKLIDGE EMULSIONS, INC.	6.4	3.9	0.720	0.720	NO	NO
1030510	MARSHFIELD DOORSYSTEMS, INC.	36.1	33.6	0.017	0.017	NO	NO
570097	OLDCASTLE RETAIL, INC. D/B/A BONSAI AMER	4.8	2.3	3.104	3.104	NO	NO
570226	BRENNTAG MID-SOUTH, INC.	9.4	6.9	2.148	2.150	NO	NO
1050004	LAKELAND ELECTRIC	46.9	44.4	2804.683	2799.986	YES	YES
571240	CARGILL INC. - SALT DIVISION	5.6	3.1	7.282	7.282	NO	NO
570103	CARGILL, INC. - GRAIN DIVISION	5.0	2.5	5.168	5.168	NO	NO
570150	CARMEUSE LIME & STONE, INC.	9.2	6.7	1.339	1.339	NO	NO
1050192	CARPENTER CO., INSULATION DIVISION	33.7	31.2	0.438	0.420	NO	NO
1030280	HOME BUILDING MATERIALS INC	33.8	31.3	0.000	0.000	NO	NO

**Table 3.11**  
**Summary of Active Facilities Within 50 km of PM10 Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT Center (Shortterm)	Distance from EFT SIA (Longterm)	Total PM <sub>10</sub> Emissions (Shortterm)	Total PM <sub>10</sub> Emissions (Longterm)	Within 50 km of EFT Center and PM <sub>10</sub> Emissions over 20D? (Shortterm Screening)	Within 50 km of PM10 SIA and PM <sub>10</sub> Emissions over 20D? (Longterm Screening)
		(km)	(km)	(tpy)	(tpy)		
570180	CAST-CRETE CORPORATION	9.9	7.4	0.000	0.000	NO	NO
1030112	CATALENT PHARMA SOLUTIONS, LLC	29.8	27.3	0.122	0.122	NO	NO
1030223	CATALINA YACHTS, MORGAN DIVISION	37.0	34.5	0.000	0.000	NO	NO
7775404	ALTO RECYCLING LLC	5.2	2.7	0.000	0.000	NO	NO
1030107	CITY OF ST. PETERSBURG	34.9	32.4	0.000	0.000	NO	NO
1190008	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	36.2	33.7	1.270	1.270	NO	NO
570252	CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC	8.7	6.2	62.300	62.300	NO	NO
1050034	MOSAIC FERTILIZER LLC	45.5	43.0	0.246	0.246	NO	NO
570085	CENTRAL FLORIDA PIPELINE	7.8	5.3	1.700	1.700	NO	NO
571268	QWEST COMMUNICATIONS COMPANY LLC	3.6	1.1	0.000	0.000	NO	NO
570051	CF INDUSTRIES	6.4	3.9	0.000	0.000	NO	NO
570003	CF INDUSTRIES, INC.	6.9	4.4	0.700	0.700	NO	NO
570005	CF INDUSTRIES, INC., PLANT CITY PHOS	32.6	30.1	70.505	70.530	NO	NO
1050003	LAKELAND ELECTRIC	45.8	43.3	183.560	91.580	NO	NO
570055	CHEVRON U.S.A. INC.	19.5	17.0	0.025	0.025	NO	NO
571408	CHROMALLOY CASTINGS, TAMPA CORP	16.4	13.9	21.700	21.700	NO	NO
570016	CITGO PETROLEUM CORPORATION	6.9	4.4	0.000	0.000	NO	NO
1030227	CITY OF CLEARWATER	32.0	29.5	0.000	0.000	NO	NO
1030228	CITY OF CLEARWATER	40.0	37.5	0.000	0.000	NO	NO
1030229	CITY OF CLEARWATER	32.6	30.1	0.000	0.000	NO	NO
1030230	CITY OF DUNEDIN	38.1	35.6	0.000	0.000	NO	NO
1030231	CITY OF LARGO	32.3	29.8	0.000	0.000	NO	NO
1030060	CITY OF LARGO - WWTP	32.2	29.7	0.178	0.178	NO	NO
1030237	CITY OF ST. PETERSBURG	40.2	37.7	0.000	0.000	NO	NO
1030238	CITY OF ST. PETERSBURG	40.6	38.1	0.000	0.000	NO	NO
1030236	CITY OF ST. PETERSBURG	27.9	25.4	0.000	0.000	NO	NO
1030235	CITY OF ST. PETERSBURG	33.0	30.5	0.000	0.000	NO	NO
1050319	CLARK ENVIRONMENTAL INC	39.6	37.1	2.640	2.640	NO	NO
7770073	APAC-SOUTHEAST INC.	31.2	28.7	82.751	10.030	NO	NO
1010075	OLDCASTLE INC	34.6	32.1	0.000	0.000	NO	NO
571263	COMMERCIAL CONCRETE PRODUCTS INC	23.1	20.6	5.260	4.800	NO	NO
570251	CONAGRA FOODS, INC.	7.3	4.8	81.437	81.437	NO	NO
1050390	CONRAD YELVINGTON DISTRIBUTORS, INC.	44.9	42.4	10.519	7.000	NO	NO
7770473	CONRAD YELVINGTON DISTRIBUTORS	3.9	1.4	38.650	38.650	NO	YES
570087	CORESLAB STRUCTURES (TAMPA) INC	4.9	2.4	0.000	0.000	NO	NO
571185	CARGILL, INC.	17.9	15.4	0.000	0.000	NO	NO

**Table 3.11**  
**Summary of Active Facilities Within 50 km of PM10 Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT Center (Shortterm)	Distance from EFT SIA (Longterm)	Total PM <sub>10</sub> Emissions (Shortterm)	Total PM <sub>10</sub> Emissions (Longterm)	Within 50 km of EFT Center and PM <sub>10</sub> Emissions over 20D? (Shortterm Screening)	Within 50 km of PM10 SIA and PM <sub>10</sub> Emissions over 20D? (Longterm Screening)
		(km)	(km)	(tpy)	(tpy)		
1010037	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	53.3	50.8	0.922	0.922	NO	NO
1030240	COX TARGET MEDIA, INC.	38.2	35.7	0.006	0.006	NO	NO
1030509	COX TARGET MEDIA, INC.	30.1	27.6	0.020	0.020	NO	NO
7775229	CRUSH-IT INC	34.7	32.2	0.000	0.000	NO	NO
570033	CSX TRANSPORTATION, INC.	7.1	4.6	5.091	5.091	NO	NO
571016	CUSTOM FABRICATION, INC.	29.0	26.5	5.092	5.092	NO	NO
570320	DART CONTAINER CORPORATION OF FLORIDA	21.2	18.7	1.615	1.615	NO	NO
7775438	DGP&S CONSTRUCTION INC	7.6	5.1	0.000	0.000	NO	NO
1030035	DIRECTORS SERVICE INC	33.5	31.0	0.020	0.020	NO	NO
1010349	DOBIES FUNERAL HOME INC	51.3	48.8	0.000	0.000	NO	NO
1030480	DUCKWORTH STEEL BOATS, INC.	43.3	40.8	5.400	5.400	NO	NO
571021	PRESTIGE AB MANAGEMENT CO LLC	22.6	20.1	17.532	4.600	NO	NO
1030216	CARPENTER TECHNOLOGY CORPORATION	32.2	29.7	15.000	15.000	NO	NO
570240	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	3.0	0.5	0.000	0.000	NO	NO
570014	EASTERN ASSOCIATED TERMINALS CO., LLC	7.0	4.5	243.642	236.080	YES	YES
810059	TARMAC AMERICA LLC	50.0	47.5	0.242	0.242	NO	NO
570057	ENVIROFOCUS TECHNOLOGIES, LLC	0.3	-2.2	10.683	10.683	YES	YES
1030217	ETERNAL REST FUNERAL/SUNCOAST CREM, INC.	36.8	34.3	0.000	0.000	NO	NO
1010492	FAITHFUL FRIENDS PET CREMATION LLC	36.0	33.5	0.000	0.000	NO	NO
571323	FARKAS LAND CLEARING & DEVELOPMENT	20.5	18.0	0.160	0.160	NO	NO
570296	FCC ENVIRONMENTAL, LLC	25.2	22.7	2.200	2.200	NO	NO
570438	FLORIDA GAS TRANSMISSION COMPANY	30.6	28.1	0.014	0.014	NO	NO
571279	FLORIDA GAS TRANSMISSION COMPANY	11.8	9.3	0.171	0.171	NO	NO
570041	FLORIDA HEALTH SCIENCES CTR, INC	8.2	5.7	0.609	0.589	NO	NO
1050148	FLANDERS ELECTRIC MOTOR SERVICE, INC	46.8	44.3	0.001	0.001	NO	NO
570230	FLORIDA BRICK & CLAY CO	21.0	18.5	0.626	0.626	NO	NO
570018	VULCAN MATERIALS CO / FLORIDA ROCK DIV.	7.2	4.7	199.195	13.766	YES	NO
810011	FLORIDA CEMENT, INC.	40.3	37.8	51.960	51.960	NO	NO
570431	FLORIDA MORTUARY	7.4	4.9	0.000	0.000	NO	NO
1030008	VULCAN MTLs CO DBA FL ROCK INDUST INC	39.1	36.6	0.000	0.000	NO	NO
1030063	VULCAN MATERIALS COMPANY	44.4	41.9	0.000	0.000	NO	NO
570052	FLORIDA ROCK INDUSTRIES INC	4.6	2.1	0.000	0.000	NO	NO
570279	FLORIDA ROCK INDUSTRIES INC	8.9	6.4	0.000	0.000	NO	NO
1010005	FLORIDA ROCK INDUSTRIES INC	54.3	51.8	0.002	0.002	NO	NO
1030085	FLORIDA ROCK INDUSTRIES INC	36.7	34.2	1.800	1.800	NO	NO
7774801	FLORIDA SOIL CEMENT LLC	5.9	3.4	0.000	0.000	NO	NO

**Table 3.11**  
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**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT Center (Shortterm)	Distance from EFT SIA (Longterm)	Total PM <sub>10</sub> Emissions (Shortterm)	Total PM <sub>10</sub> Emissions (Longterm)	Within 50 km of EFT Center and PM <sub>10</sub> Emissions over 20D? (Shortterm Screening)	Within 50 km of PM10 SIA and PM <sub>10</sub> Emissions over 20D? (Longterm Screening)
		(km)	(km)	(tpy)	(tpy)		
810024	FLORIDA POWER & LIGHT COMPANY	40.2	37.7	0.570	0.569	NO	NO
571427	G&K SERVICES	16.4	13.9	49.500	49.500	NO	NO
571314	GAETANO CACCIATORE, INC.	7.6	5.1	1.713	1.713	NO	NO
570056	BUILDING MATERIALS MANUFACTURING CORP	6.9	4.4	13.467	13.467	NO	NO
1050387	GENERAL ASPHALT OF LAKE LAND, LLC	51.4	48.9	57.286	4.220	NO	NO
570229	GENERAL CHEMICAL LLC	4.5	2.0	0.000	0.000	NO	NO
570163	GRIFFIN INDUSTRIES	2.6	0.1	0.000	0.000	NO	NO
810183	GSE HOLDINGS INC., A SUBSIDIARY OF ITW	41.6	39.1	0.000	0.000	NO	NO
1050422	GTECH PRINTING CORP.	35.7	33.2	0.095	0.095	NO	NO
810231	GULF COAST BULK EQUIPMENT, INC.	40.3	37.8	0.350	0.350	NO	NO
570442	GULF MARINE REPAIR/HENDRY CORPORATIONS	4.3	1.8	10.499	10.499	NO	NO
570082	GULF SULPHUR SERVICES LTD., LLP	7.2	4.7	3.050	3.050	NO	NO
570100	GULF SULPHUR SERVICES LTD., LLP	7.5	5.0	1.980	1.980	NO	NO
1030527	GULFSTREAM NATURAL GAS, L.L.C.	24.3	21.8	0.000	0.000	NO	NO
810215	GULFSTREAM NATURAL GAS SYSTEM, L.L.C.	39.9	37.4	11.850	11.850	NO	NO
570040	TAMPA ELECTRIC COMPANY	7.9	5.4	377.298	377.326	YES	YES
571269	H. LEE MOFFITT CANCER CENTER	11.9	9.4	0.492	0.492	NO	NO
570088	HALEY, JAMES A. VETERAN'S HOSPITAL TAMPA	11.3	8.8	0.000	0.000	NO	NO
490015	HARDEE POWER PARTNERS LIMITED	54.7	52.2	175.320	181.770	NO	NO
570224	HARSCO MINERALS	8.5	6.0	82.200	82.200	NO	NO
7775687	JVS CONTRACTING INC	2.9	0.4	0.000	0.000	NO	NO
1050134	HEATH FUNERAL CHAPEL INC	43.8	41.3	0.180	0.180	NO	NO
1050283	HENRY COMPANY LLC	48.6	46.1	0.002	0.002	NO	NO
1030012	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	28.0	25.5	0.166	0.166	NO	NO
571320	HILLSBOROUGH CO. WATER RESOURCE SERVICES	25.2	22.7	5.288	5.288	NO	NO
570854	HILLSBOROUGH COUNTY SOLID WASTE MGT DEPT	28.6	26.1	4.484	4.484	NO	NO
570261	HILLSBOROUGH CTY. RESOURCE RECOVERY FAC.	5.3	2.8	23.703	9.923	NO	NO
1050234	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	54.0	51.5	1958.785	359.499	NO	NO
570031	HOLCIM (US) INC.	8.0	5.5	11.081	11.054	NO	NO
1010018	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	42.9	40.4	0.140	0.140	NO	NO
1030019	HONEYWELL INTERNATIONAL INC.	30.0	27.5	0.000	0.000	NO	NO
570373	CITY OF TAMPA-WASTEWATER DEPT.	7.2	4.7	8.358	7.313	NO	NO
1030153	HOWCO ENVIRONMENTAL SERVICES, INC.	37.9	35.4	0.354	0.354	NO	NO
1010038	B E T E R MIX INC	54.8	52.3	0.000	0.000	NO	NO
570069	INDUSTRIAL GALVANIZERS AMERICA, INC.	4.1	1.6	40.600	40.600	NO	YES
1050292	INDUSTRIAL PLASTIC SYSTEMS INC	34.5	32.0	0.000	0.000	NO	NO

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**Tampa, Florida**

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		(km)	(km)	(tpy)	(tpy)		
1050239	CARLISLE CONSTRUCTION MATERIALS, INC.	34.8	32.3	0.000	0.000	NO	NO
571151	INTERNATIONAL PAPER COMPANY	4.7	2.2	0.176	0.176	NO	NO
571029	INTERNATIONAL PAPER COMPANY	27.2	24.7	14.600	14.600	NO	NO
570021	INTERNATIONAL SHIP REPAIR & MARINE SERV.	6.2	3.7	4.586	4.586	NO	NO
1030180	INTERPRINT, INC.	30.4	27.9	0.014	0.014	NO	NO
1030501	ILLINOIS TOOL WORKS, INC.	33.6	31.1	48.700	48.700	NO	NO
1010344	J.E. AUSLEY CONSTRUCTION INC	52.4	49.9	3.133	3.133	NO	NO
570460	JAMES HARDIE BUILDING PRODUCTS, INC.	23.3	20.8	1.863	1.863	NO	NO
570001	JOHNSON CONTROLS BATTERY GROUP, INC	9.9	7.4	73.279	73.183	NO	NO
1050127	JUICE BOWL PRODUCTS	45.7	43.2	0.000	0.000	NO	NO
1050066	K.C. INDUSTRIES, L.L.C. (PREV KAISER)	38.2	35.7	0.000	0.000	NO	NO
1030239	KARDOL INC.	33.6	31.1	0.000	0.000	NO	NO
7770380	FLORIDA SOIL CEMENT LLC	36.4	33.9	0.000	0.000	NO	NO
1050230	KEY AUTOMOTIVE OF FLORIDA, INC.	33.6	31.1	0.602	0.602	NO	NO
7775497	KIMMINS CONTRACTING CORP	2.0	-0.5	0.000	0.000	NO	NO
1050393	KINDER MORGAN OPERATING LP "C"	45.6	43.1	22.460	22.460	NO	NO
810004	KINDER MORGAN PORT MANATEE TERMINAL, LLC	40.5	38.0	3.707	3.707	NO	NO
570092	KINDER MORGAN PORT SUTTON TERMINAL, LLC	7.3	4.8	2.152	2.152	NO	NO
570024	KINDER MORGAN OLP "C"	7.5	5.0	69.665	69.666	NO	NO
571301	L.V. THOMPSON, INC. (TAMCO)	3.0	0.5	0.400	0.400	NO	NO
1050365	LAKELAND ANIMAL NUTRITION, INC.	46.8	44.3	3.332	3.332	NO	NO
1050095	LAKELAND REGIONAL MEDICAL CENTER	44.0	41.5	0.275	0.275	NO	NO
1050073	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	49.5	47.0	0.085	0.085	NO	NO
1050157	PURINA MILLS, LLC.	38.4	35.9	92.008	28.284	NO	NO
7770389	CRUSHING INC	48.7	46.2	0.000	0.000	NO	NO
1050227	CENTRAL FLORIDA CREMATORY OF POLK COUNTY	43.0	40.5	0.000	0.000	NO	NO
1030518	LANTMANNEN UNIBAKE USA, INC.	34.9	32.4	0.008	0.008	NO	NO
1030045	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	34.1	31.6	0.140	0.140	NO	NO
1030026	AJAX PAVING INDUSTRIES OF FLORIDA, LLC	38.2	35.7	4.358	3.867	NO	NO
1030036	B E T ER MIX INC	38.5	36.0	0.000	0.000	NO	NO
7775345	JVS CONTRACTING INC	38.6	36.1	0.000	0.000	NO	NO
1050394	LASTING PAWS PET CREMATION INC	40.0	37.5	0.000	0.000	NO	NO
570255	LEHIGH CEMENT COMPANY	7.8	5.3	0.019	0.019	NO	NO
1030214	LIFE-LIKE ACQUISITIONS, INC.	39.6	37.1	0.520	0.520	NO	NO
570047	FLORIDA ROCK INDUSTRIES INC	17.1	14.6	0.000	0.000	NO	NO
810229	LOGISTEC USA, INC.	40.4	37.9	6.030	6.030	NO	NO

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		(km)	(km)	(tpy)	(tpy)		
1030218	M C GRAPHICS, INC., DBA, SANDY ALEXANDER	28.9	26.4	0.059	0.059	NO	NO
570141	US AIR FORCE (MACDILL AFB)	16.3	13.8	0.598	0.598	NO	NO
1030119	MADICO WINDOW FILMS, INC.	36.0	33.5	0.029	0.029	NO	NO
810010	FLORIDA POWER & LIGHT (PMT)	39.8	37.3	516.184	443.033	NO	NO
570364	MANNA PRO CORPORATION	1.3	-1.2	0.865	0.865	YES	YES
570080	MARATHON PETROLEUM COMPANY LP	6.0	3.5	0.184	0.184	NO	NO
570477	MARTIN GAS SALES, INC.	8.7	6.2	5.873	1.310	NO	NO
571214	MARTIN MARIETTA MATERIALS, INC.	8.4	5.9	32.400	32.400	NO	NO
571227	MASONITE CORPORATION	16.4	13.9	0.406	0.406	NO	NO
570090	MASTER - HALCO, INC.	4.1	1.6	14.902	14.900	NO	NO
1050312	MASTER CONTAINERS, INC.	40.8	38.3	0.066	0.066	NO	NO
1050139	SCHWARZ PARTNERS	38.3	35.8	2.748	2.748	NO	NO
810230	CDM, LLC	48.6	46.1	0.000	0.000	NO	NO
570127	CITY OF TAMPA	4.2	1.7	6.278	6.278	NO	NO
1050169	METALCOAT INC OF FLORIDA	41.1	38.6	0.050	0.050	NO	NO
1030114	MI METALS, INC.	29.1	26.6	0.655	0.655	NO	NO
490340	SEMINOLE ELECTRIC COOPERATIVE, INC.	54.5	52.0	634.822	194.100	NO	NO
1050100	MOMENTIVE SPECIALTY CHEMICALS, INC.	46.8	44.3	0.039	0.039	NO	NO
1050369	MORGAN TRUCK BODY, LLC	50.3	47.8	0.001	0.001	NO	NO
1010360	KADUK FUNERAL SERVICES INC	42.4	39.9	0.000	0.000	NO	NO
1030091	MORTON PLANT MEASE HEALTH CARE	41.2	38.7	3.467	2.058	NO	NO
1050059	MOSAIC FERTILIZER LLC	35.8	33.3	207.788	207.588	NO	NO
1050055	MOSAIC FERTILIZER LLC	48.9	46.4	45.363	39.827	NO	NO
1050046	MOSAIC FERTILIZER, LLC	46.2	43.7	338.906	280.591	NO	NO
570008	MOSAIC FERTILIZER, LLC	11.8	9.3	147.787	148.808	NO	NO
570197	MOTIVA ENTERPRISES LLC	20.2	17.7	0.000	0.000	NO	NO
1050217	POLK POWER PARTNERS, L.P.	51.2	48.7	11.830	11.830	NO	NO
570415	NEBRASKA PRINTING COMPANY INC.	13.5	11.0	0.005	0.005	NO	NO
570028	NEW NGC, INC.	20.7	18.2	28.141	28.141	NO	NO
571242	NEW NGC, INC., D/B/A NATIONAL GYPSUM COM	18.2	15.7	84.100	84.100	NO	NO
570437	NEWSPAPER PRINTING COMPANY, INC.	16.4	13.9	0.017	0.017	NO	NO
571421	NEXLUBE TAMPA, LLC	7.1	4.6	8.730	8.730	NO	NO
1050125	LHOIST NORTH AMERICA OF ALABAMA	34.9	32.4	6.710	5.940	NO	NO
1010326	PREFERRED MATERIALS INC	33.1	30.6	0.000	0.000	NO	NO
1030078	FLORIDA ROCK INDUSTRIES INC	30.0	27.5	0.000	0.000	NO	NO
1030037	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	28.0	25.5	0.000	0.000	NO	NO



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		(km)	(km)	(tpy)	(tpy)		
571400	ONESTEEL RECYCLING	6.9	4.4	61.900	61.900	NO	NO
571404	ONESTEEL RECYCLING, INC	7.5	5.0	59.100	59.100	NO	NO
571328	ORION MARINE CONSTRUCTION, INC.	18.3	15.8	19.430	19.430	NO	NO
1010028	OVERSTREET PAVING CO	50.8	48.3	1.851	1.851	NO	NO
1050375	OWENS CORNING INSULATING SYSTEMS, LLC	41.0	38.5	22.440	22.440	NO	NO
1010335	PALL AEROPOWER CORP	42.9	40.4	0.000	0.000	NO	NO
570370	PARADISE, INC.	24.9	22.4	0.400	0.400	NO	NO
1010071	PASCO COGEN LIMITED	49.5	47.0	33.330	27.019	NO	NO
1010056	PASCO COUNTY	48.5	46.0	2.626	2.626	NO	NO
570455	PASCO TERMINALS, INC.	8.4	5.9	0.000	0.000	NO	NO
1010378	PAW MATERIALS, INC.	32.5	30.0	48.941	48.941	NO	NO
7770420	PAW MATERIALS, INC.	32.4	29.9	0.170	0.170	NO	NO
1050174	PEPPERIDGE FARM, INC	41.3	38.8	0.142	0.142	NO	NO
1030136	PET ANGEL WORLD SERVICES LLC	36.1	33.6	0.000	0.000	NO	NO
1030117	PINELLAS COUNTY UTILITIES ADMIN.	30.4	27.9	207.581	207.535	NO	NO
1030018	PINELLAS CO BOARD OF CO COMMISSIONERS	43.3	40.8	0.000	0.000	NO	NO
1030232	PINELLAS COUNTY GOVERNMENT	46.5	44.0	0.000	0.000	NO	NO
1030233	PINELLAS COUNTY GOVERNMENT	42.4	39.9	0.000	0.000	NO	NO
1030139	PREFERRED MATERIALS INC	31.3	28.8	0.000	0.000	NO	NO
570124	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	28.7	26.2	0.000	0.000	NO	NO
571303	TARMAC AMERICA LLC	24.8	22.3	0.000	0.000	NO	NO
1050298	POLK CO BOARD OF COUNTY COMMISSIONERS -	53.0	50.5	0.300	0.300	NO	NO
1050233	TAMPA ELECTRIC COMPANY	46.5	44.0	238.779	159.780	NO	NO
1050226	POP'S PAINTING, INC.	35.4	32.9	40.962	40.962	NO	NO
571388	PORTS AMERICA TAMPA, LLC	6.7	4.2	3.618	3.618	NO	NO
570185	PREFERRED MATERIALS, INC.	4.4	1.9	0.000	0.000	NO	NO
570238	PREFERRED MATERIALS, INC., TAMPA KEYS	1.1	-1.4	1.057	1.057	YES	YES
7775493	PRINCE CONTRACTING COMPANY, INC	3.3	0.8	0.000	0.000	NO	NO
1050177	PUBLIX SUPER MARKETS	37.5	35.0	0.077	0.077	NO	NO
1050216	WHEELABRATOR RIDGE ENERGY INC.	53.0	50.5	1.836	1.836	NO	NO
571384	RING POWER CORPORATION	13.1	10.6	0.200	0.200	NO	NO
571417	RIVERHAWK MARINE, LLC	17.3	14.8	0.002	0.002	NO	NO
570241	PREFERRED MATERIALS INC	9.7	7.2	0.000	0.000	NO	NO
7771101	WOODRUFF & SONS INC	2.3	-0.1	21.661	5.137	YES	YES
7775300	WOODRUFF AND SONS INC	41.0	38.5	0.000	0.000	NO	NO
1050364	RUBBER APPLICATIONS	38.4	35.9	7.453	7.453	NO	NO

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		(km)	(km)	(tpy)	(tpy)		
570281	TARMAC AMERICA LLC	28.0	25.5	0.000	0.000	NO	NO
1030118	SCHNELLER LLC	33.3	30.8	0.000	0.000	NO	NO
571217	SEA 3 OF FLORIDA, INC.	7.8	5.3	0.019	0.019	NO	NO
571326	SEPARATION TECHNOLOGIES, LLC	18.9	16.4	2.653	2.653	NO	NO
571255	SEVENTH AVE PROPERTIES LLC	0.8	-1.7	0.000	0.000	NO	NO
1010373	SHADY HILLS POWER COMPANY, L.L.C.	48.4	45.9	372.643	100.179	NO	NO
7775159	WOODRUFF & SONS, INC.	0.6	-1.9	21.915	7.000	YES	YES
1030147	SONNY GLASBRENNER, INC.	30.9	28.4	8.922	3.356	NO	NO
1030234	PINELLAS COUNTY GOVERNMENT	38.7	36.2	1.487	1.487	NO	NO
1010042	SCI FUNERAL SERVICES OF FLORIDA INC	51.7	49.2	0.000	0.000	NO	NO
1050325	SOUTHERN BAKERIES, INC.	40.9	38.4	0.000	0.000	NO	NO
570374	SOUTHERN GROUTS & MORTARS INC	22.4	19.9	0.000	0.000	NO	NO
1030132	SPECTRA METAL SALES, INC.	33.7	31.2	0.060	0.060	NO	NO
570089	ST. JOSEPH'S HOSPITAL	11.2	8.7	0.774	0.774	NO	NO
1030032	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	35.7	33.2	0.000	0.000	NO	NO
570237	STANDARD CONCRETE	19.8	17.3	0.000	0.000	NO	NO
571205	STOROPACK, INC.	1.0	-1.5	0.000	0.000	NO	NO
571317	SUNCOAST TAMPA BAY BLOCK & R-M CO INC	5.4	2.9	0.000	0.000	NO	NO
1030044	SUNCOAST PAVING, INC.	44.6	42.1	11.834	6.800	NO	NO
1050314	SUPERMAG, L.C.	47.8	45.3	0.308	0.122	NO	NO
1010496	SURECRETE DESIGN PRODUCTS	49.9	47.4	0.000	0.000	NO	NO
570061	TAMPA ARMATURE WORKS	2.5	0.0	0.463	0.461	NO	NO
1030077	TIMES PUBLISHING CO.	35.2	32.7	3.551	3.551	NO	NO
571418	TAMPA MARINE TERMINAL, LLC	6.5	4.0	49.000	49.000	NO	NO
571337	TAMPA PAVEMENT CONSTRUCTORS, INC., A SUB	3.9	1.4	1.806	1.806	NO	NO
570412	VULCAN MATERIALS COMPANY, FLORIDA ROCK D	8.5	6.0	20.952	20.952	NO	NO
570286	TAMPA SHIP, LLC	7.8	5.3	2.563	2.563	NO	NO
570324	TAMPA STEEL ERECTING COMPANY	5.0	2.5	30.450	30.450	NO	NO
570344	TAMPA TANK, INC.	6.0	3.5	3.057	3.057	NO	NO
1030534	TAMPA YACHT MANUFACTURING, LLC	34.2	31.7	0.000	0.000	NO	NO
1010509	THE EUCLID CHEMICAL COMPANY	32.2	29.7	0.000	0.000	NO	NO
1050400	THE LANE CONSTRUCTION CORPORATION	41.4	38.9	10.240	10.240	NO	NO
571209	THE LANE CONSTRUCTION COMPANY	7.1	4.6	20.841	20.841	NO	NO
7774804	THE LANE CONSTRUCTION CORPORATION	48.5	46.0	41.291	10.747	NO	NO
1050081	THE QUIKRETE COMPANIES, INC.	49.0	46.5	0.420	0.415	NO	NO
570260	TIN, INC. D/B/A TEMPLE-INLAND	3.7	1.2	0.010	0.010	NO	NO

**Table 3.11**  
**Summary of Active Facilities Within 50 km of PM10 Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT Center (Shortterm)	Distance from EFT SIA (Longterm)	Total PM <sub>10</sub> Emissions (Shortterm)	Total PM <sub>10</sub> Emissions (Longterm)	Within 50 km of EFT Center and PM <sub>10</sub> Emissions over 20D? (Shortterm Screening)	Within 50 km of PM10 SIA and PM <sub>10</sub> Emissions over 20D? (Longterm Screening)
		(km)	(km)	(tpy)	(tpy)		
571290	TITAN AMERICA, LLC	8.2	5.7	142.284	116.600	NO	YES
571428	TLC PROPERTY MAINTENANCE, INC	30.7	28.2	0.000	0.000	NO	NO
570119	TRADEMARK METALS RECYCLING, LLC	0.6	-1.9	0.273	0.273	YES	YES
571289	TRADEMARK METALS RECYCLING LLC	7.5	5.0	51.600	51.600	NO	NO
570474	T-R DRUM & FREIGHT CO.	31.9	29.4	2.200	2.200	NO	NO
570446	TRADEMARK METALS RECYCLING, LLC	7.8	5.3	78.094	77.900	NO	NO
570025	TRADEMARK NITROGEN CORP	3.4	0.9	29.823	29.823	NO	YES
570466	TRANSFLO TERMINAL SERVICES, INC. (TTSI)	4.1	1.6	202.933	46.900	YES	YES
1030209	TRANSITIONS OPTICAL, INC.	36.7	34.2	4.027	4.027	NO	NO
810001	TRANSMONTAIGNE PRODUCT SERVICES, INC.	39.5	37.0	7.220	7.219	NO	NO
571339	TRINITY MATERIALS, LLC	7.2	4.7	0.000	0.000	NO	NO
1010365	TRINITY MEMORIAL CEMETARY INC	34.5	32.0	0.000	0.000	NO	NO
1050341	TURNER COATINGS INC.	39.0	36.5	20.574	20.574	NO	NO
570480	UNIVERSITY OF SOUTH FLORIDA (USF)	11.5	9.0	1.284	1.284	NO	NO
1050015	US BEVERAGE PACKING LAKELAND PLANT	35.9	33.4	0.048	0.048	NO	NO
570254	VERTIS, INC.	15.7	13.2	0.381	0.381	NO	NO
1010498	VIKING POOLS, LLC	39.4	36.9	21.915	6.000	NO	NO
571406	VIRGINIA MATERIALS, INC. DBA OPTA MINERA	4.0	1.5	0.556	0.556	NO	NO
1010002	VITALITY FOODSERVICE INC	49.5	47.0	55.752	49.600	NO	NO
571410	VULCAN MATERIALS COMPANY, FLORIDA ROCK D	5.1	2.6	22.300	22.300	NO	NO
570297	DAVIS CONCRETE INC	16.9	14.4	0.000	0.000	NO	NO
570065	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	16.8	14.3	0.000	0.000	NO	NO
570405	WINGFOOT COMMERCIAL TIRE SYSTEMS, LLC	2.3	-0.2	0.132	0.132	YES	YES
1050352	LAKELAND ELECTRIC	36.6	34.1	1670.493	340.070	YES	NO
1050215	WOOD MULCH PRODUCTS, INC.	49.7	47.2	17.917	17.917	NO	NO
775356	CYPRESS GULF DEVELOPMENT, INC.	30.6	28.1	0.000	0.000	NO	NO
570006	YUENGLING BREWING CO.	9.7	7.2	1.285	1.285	NO	NO
1010076	CENTRAL STATE AGGREGATES LLC	35.8	33.3	0.870	0.870	NO	NO
570342	ZIPPERER'S AGAPE MORTUARY & CREMATORY IN	29.1	26.6	0.000	0.000	NO	NO
1050324	WASTEQUIP MANUFACTURING COMPANY LLC	47.3	44.8	0.000	0.000	NO	NO

**Table 3.12**  
**Summary of Active Facilities Within 50 km of Lead Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT SIA	Facility Total Pb Emissions	Included in Model?
		(km)	(tpy)	
570001	JOHNSON CONTROLS BATTERY GROUP, INC	9	2.07513	Yes
570003	CF INDUSTRIES, INC.	6	0.00000	No
570005	CF INDUSTRIES, INC., PLANT CITY PHOS	31	0.00004	Yes
570008	MOSAIC FERTILIZER, LLC	10	0.00007	Yes
570018	VULCAN MATERIALS CO / FLORIDA ROCK DIV.	6	0.00002	Yes
570021	INTERNATIONAL SHIP REPAIR & MARINE SERV.	5.1	0.00000	No
570028	NEW NGC, INC.	19.0	0.00020	Yes
570039	TAMPA ELECTRIC COMPANY (TEC)	18	0.87299	Yes
570041	FLORIDA HEALTH SCIENCES CTR, INC	7.1	0.00000	Yes
570056	BUILDING MATERIALS MANUFACTURING CORP	6	0.00000	No
570057	ENVIROFOCUS TECHNOLOGIES, LLC	-0.8	2.58444	N/A
570061	TAMPA ARMATURE WORKS	1.4	0.00000	Yes
570080	MARATHON PETROLEUM COMPANY LP	4.8	0.00000	No
570089	ST. JOSEPH'S HOSPITAL	10.0	0.08054	Yes
570097	OLDCASTLE RETAIL, INC. D/B/A BONSAI AMER	3.6	0.00001	Yes
570127	CITY OF TAMPA	3.1	0.78800	Yes
570141	US AIR FORCE (MACDILL AFB)	15.1	0.00000	Yes
570160	BALL METAL BEVERAGE CONTAINER CORP.	9	0.00005	Yes
570223	APAC-SOUTHEAST, INC CENTRAL FLORIDA DIV.	3.2	0.00000	Yes
570224	HARSCO MINERALS	7.4	0.00000	No
570254	VERTIS, INC.	14.6	0.00001	Yes
570261	HILLSBOROUGH CTY. RESOURCE RECOVERY FAC.	3	0.78797	Yes
570286	TAMPA SHIP, LLC	6.6	0.00833	Yes
570293	STAR PACKAGING CORPORATION	16.7	0.00001	Yes
570296	FCC ENVIRONMENTAL, LLC	24	0.00000	Yes
570320	DART CONTAINER CORPORATION OF FLORIDA	20.1	0.00006	Yes
570324	TAMPA STEEL ERECTING COMPANY	6.2	0.18000	Yes
570370	PARADISE, INC.	23.8	0.00000	No
570373	CITY OF TAMPA-WASTEWATER DEPT.	3	0.37282	Yes
570442	GULF MARINE REPAIR/HENDRY CORPORATIONS	3.1	0.00003	Yes
570460	JAMES HARDIE BUILDING PRODUCTS, INC.	22.2	0.00008	Yes
570480	UNIVERSITY OF SOUTH FLORIDA (USF)	10.3	0.00008	Yes
571029	INTERNATIONAL PAPER COMPANY	26	0.00000	No
571151	INTERNATIONAL PAPER COMPANY	3.6	0.00001	Yes
571209	THE LANE CONSTRUCTION COMPANY	6.0	0.00075	Yes
571240	CARGILL INC.- SALT DIVISION	4.4	0.00000	Yes
571242	NEW NGC, INC., D/B/A NATIONAL GYPSUM COM	17.0	0.00023	Yes
571268	QWEST COMMUNICATIONS COMPANY LLC	2.4	0.00000	No
571269	H. LEE MOFFITT CANCER CENTER	10.8	0.00003	Yes
571279	FLORIDA GAS TRANSMISSION COMPANY	10.6	0.00000	No
571290	TITAN AMERICA, LLC	6.2	0.00000	No
571339	TRINITY MATERIALS, LLC	6.0	0.00000	No
810001	TRANSMONTAIGNE PRODUCT SERVICES, INC.	38	0.00000	No
810010	FLORIDA POWER & LIGHT (PMT)	39	0.02131	Yes
810011	FLORIDA CEMENT, INC.	39.2	0.00000	No
810024	FLORIDA POWER & LIGHT COMPANY	39.1	0.00000	No
810063	AJAX PAVING INDUSTRIES, INC.	39	0.00001	Yes
1010017	FLORIDA POWER CORPDBAPROGRESS ENERGY FL	45.9	0.01730	Yes
1010056	PASCO COUNTY	47.3	1.91550	Yes
1010071	PASCO COGEN LIMITED	48.3	0.00000	No
1010373	SHADY HILLS POWER COMPANY, L.L.C.	46.8	0.00000	No
1030011	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	22	0.00025	Yes

**Table 3.12**  
**Summary of Active Facilities Within 50 km of Lead Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT SIA	Facility Total Pb Emissions	Included in Model?
		(km)	(tpy)	
1030012	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	27	0.00001	Yes
1030013	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	32.6	0.00034	Yes
1030044	SUNCOAST PAVING, INC.	43.5	0.00003	Yes
1030060	CITY OF LARGO - WWTP	31	0.00000	No
1030117	PINELLAS COUNTY UTILITITES ADMIN.	29.2	2.75460	Yes
1030153	HOWCO ENVIRONMENTAL SERVICES, INC.	36.7	0.02822	Yes
1030180	INTERPRINT, INC.	29.3	0.00000	No
1030234	PINELLAS COUNTY GOVERNMENT	38	0.00000	No
1030278	JABIL CIRCUIT, INC.	27.1	0.36000	Yes
1030400	LOCKHEED MARTIN AERONAUTICS COMPANY	29.8	0.00000	Yes
1050003	LAKELAND ELECTRIC	45	0.03000	Yes
1050004	LAKELAND ELECTRIC	45.6	0.12689	Yes
1050015	US BEVERAGE PACKING LAKELAND PLANT	34.8	0.00010	Yes
1050034	MOSAIC FERTILIZER LLC	44.4	0.00000	Yes
1050046	MOSAIC FERTILIZER, LLC	44.9	0.00010	Yes
1050055	MOSAIC FERTILIZER LLC	48	0.00100	Yes
1050095	LAKELAND REGIONAL MEDICAL CENTER	43	0.00000	Yes
1050097	ARRMAZ CUSTOM CHEMICALS	43.7	0.00000	Yes
1050100	MOMENTIVE SPECIALTY CHEMICALS, INC.	45.7	0.00000	No
1050169	METALCOAT INC OF FLORIDA	39.8	0.00000	No
1050233	TAMPA ELECTRIC COMPANY	45.4	0.32701	Yes
1050312	MASTER CONTAINERS, INC.	40	0.00000	Yes



Table 3.13  
Summary of Lead AAGS Modeling Inventory  
EnviroFocus Technologies, LLC  
Tampa, Florida

Facility ID	Company Name	SourceID	Coordinates		Elevation (m)	Emission Rate (g/s)	Stack Height (m)	Exit Temperature (K)	Velocity (m/s)	Diameter (m)
			UTMx (m)	UTMy (m)						
1030278	JABIL CIRCUIT, INC.	27 1	337690	3083860	1.5	3.45E-03	7.6	311	13.9	0.6
		27 2	336370	3082590	2.1	3.48E-03	5.5	311	5.0	1.1
		27 3	337660	3083640	1.5	3.48E-03	7.6	311	13.9	0.6
1050003	LAKELAND ELECTRIC	28 1	409000	3102800	40.7	8.63E-04	47.2	523	26.1	4.9
		28 2	409100	3102800	40.5	2.88E-08	9.4	700	30.8	3.6
		28 3	409100	3102800	40.5	2.88E-08	9.4	700	30.8	3.6
1050004	LAKELAND ELECTRIC	29 1	409100	3106300	41.1	2.88E-06	6.1	653	23.5	0.8
		29 2	409200	3106200	39.6	2.56E-06	47.9	409	22.3	3.2
		29 3	409300	3106300	39.6	3.64E-03	76.2	348	25.2	5.5
		29 4	409200	3106200	39.6	8.63E-08	45.7	409	24.7	2.7
		29 5	409200	3106400	41.7	2.88E-08	10.7	755	24.2	4.1
		30 1	409770	3087260	64.0	2.22E-06	42.7	329	16.2	3.3
1050046	MOSAIC FERTILIZER, LLC	30 2 <sup>b</sup>	409770	3087260	64.0	5.47E-07	4.6	329	16.2	0.6
1050055	MOSAIC FERTILIZER LLC	31 1 <sup>c</sup>	407250	3073280	39.0	2.88E-05	43.9	350	12.5	2.7
1050233	TAMPA ELECTRIC COMPANY	32 1	402440	3067360	41.8	3.74E-03	45.7	444	23.1	5.8
		32 2	402440	3067360	41.8	3.74E-07	22.9	464	15.2	1.1
		33 1 <sup>b</sup>	356400	3091000	0.3	2.88E-08	36.6	300	5.0	1.8
570041	FLORIDA HEALTH SCIENCES CTR, INC	33 2 <sup>b</sup>	356400	3091000	0.3	5.75E-08	22.9	297	5.0	0.9
570061	TAMPA ARMATURE WORKS	34 1	365660	3091750	5.9	2.88E-08	4.6	922	0.3	0.6
570097	OLDCASTLE RETAIL, INC. D/B/A BONSAL AMER	35 1	363600	3098500	19.4	1.73E-07	3.7	394	18.0	0.8
570141	US AIR FORCE (MACDILL AFB)	36 1 <sup>b</sup>	353500	3081500	1.8	2.88E-08	10.7	ambient	5.0	0.6
570223	APAC-SOUTHEAST, INC CENTRAL FLORIDA DIV.	37 1 <sup>d</sup>	364000	3098100	20.1	5.75E-08	9.1	ambient	14.9	1.4
570254	VERTIS, INC.	38 1 <sup>d</sup>	350300	3086400	1.5	1.44E-07	10.7	589	12.5	1.3
570296	FCC ENVIRONMENTAL, LLC	39 1	389000	3098000	37.0	8.63E-08	10.7	672	95.7	0.3
570442	GULF MARINE REPAIR/HENDRY CORPORATIONS	40 1 <sup>a</sup>	360300	3091900	0.6	9.21E-07	N/A	N/A	N/A	N/A
571151	INTERNATIONAL PAPER COMPANY	41 1 <sup>b</sup>	362800	3098300	12.0	3.45E-07	10.4	ambient	5.0	0.6
571240	CARGILL INC. - SALT DIVISION	42 1	359750	3090370	0.0	8.63E-08	6.7	339	14.4	0.8
571269	H. LEE MOFFITT CANCER CENTER	43 1 <sup>b</sup>	360350	3105080	13.5	3.45E-07	21.0	486	5.0	0.8
		43 2 <sup>b</sup>	360350	3105080	13.5	3.16E-07	21.0	486	5.0	0.8
		43 3 <sup>b</sup>	360350	3105080	13.5	2.59E-07	21.0	486	5.0	0.6
810063	AJAX PAVING INDUSTRIES, INC.	44 1	347830	3056590	1.5	3.45E-07	10.4	422	101.5	0.7
1030012	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	45 1	336690	3098650	1.5	8.63E-08	16.8	728	28.4	4.6
		45 2	336620	3098660	1.5	2.88E-08	16.8	728	28.4	4.6
		45 3	336580	3098660	1.4	8.63E-08	16.8	728	28.4	4.6
1030044	SUNCOAST PAVING, INC.	46 1	325980	3116940	2.9	9.21E-07	12.2	394	28.7	0.9
1030400	LOCKHEED MARTIN AERONAUTICS COMPANY	47 1	335310	3082580	3.1	2.88E-08	12.8	298	15.3	0.9
1050015	US BEVERAGE PACKING LAKELAND PLANT	48 1	399070	3102070	37.0	2.88E-06	10.1	447	5.2	0.6
1050034	MOSAIC FERTILIZER LLC	49 1	392960	3058550	40.8	8.63E-08	7.9	478	7.2	0.3
1050095	LAKELAND REGIONAL MEDICAL CENTER	50 1 <sup>b</sup>	406920	3104070	38.6	2.88E-08	3.0	ambient	5.0	0.3
1050097	ARRMAZ CUSTOM CHEMICALS	51 1	408270	3085730	51.8	2.88E-08	4.6	450	85.0	0.4
1050312	MASTER CONTAINERS, INC.	52 1 <sup>b</sup>	404120	3085820	33.5	1.15E-07	7.3	ambient	5.0	0.3

Notes:

<sup>a</sup>Modeled as volume source with parameters: Side length = 10m, release height = 5m

<sup>b</sup>Missing data was filled in with conservative assumptions

<sup>c</sup>Duplicate records removed

<sup>d</sup>Dry standard cubic feet per minute used as the flow rate





Table 3.14  
Summary of PM<sub>10</sub> AAQS Modeling Inventory  
EnviroFocus Technologies, LLC  
Tampa, Florida

Facility ID	Company Name	Source ID	Coordinates		Elevation (m)	Emission Rate		Stack Height (m)	Exit Temperature (K)	Velocity (m/s)	Diameter (m)
			UTMx (m)	UTMy (m)		Long Term (g/s)	Short Term (g/s)				
570040	TAMPA ELECTRIC COMPANY	6_1 <sup>a</sup>	360000	3087050	0.3	2.00E-01	2.00E-01	N/A	N/A	N/A	N/A
		6_2	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_3	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_4	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_5	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_6	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_7	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_8	360010	3087490	0.0	1.51E+00	1.51E+00	45.7	373	18.3	5.8
		6_9	360000	3087500	0.0	7.81E-03	7.82E-03	18.3	751	30.9	2.9
		6_10	360000	3087500	0.0	7.62E-03	7.63E-03	18.3	751	30.9	2.9
		6_11	360000	3087500	0.0	8.77E-03	8.78E-03	18.3	751	30.9	2.9
		6_12	360000	3087500	0.0	8.75E-03	8.75E-03	18.3	751	30.9	2.9
		6_13	360000	3087500	0.0	9.04E-03	9.05E-03	18.3	751	30.9	2.9
		6_14	360000	3087500	0.0	9.00E-03	9.01E-03	18.3	751	30.9	2.9
		6_15	360000	3087500	0.0	5.35E-03	5.35E-03	18.3	751	30.9	2.9
		6_16	360000	3087500	0.0	5.40E-03	5.40E-03	18.3	751	30.9	2.9
		6_17	360000	3087500	0.0	3.53E-04	3.53E-04	4.6	786	87.1	0.2
570069	INDUSTRIAL GALVANIZERS AMERICA, INC.	7_1	360170	3094760	15.3	1.17E+00	N/A	4.6	307	20.2	0.9
570364	MANNA PRO CORPORATION	8_1 <sup>a</sup>	364700	3092600	5.2	1.14E-03	1.14E-03	N/A	N/A	N/A	N/A
		8_2	364700	3092600	5.2	7.25E-03	7.26E-03	12.2	311	10.5	1.2
		8_3	364700	3092600	5.2	8.71E-03	8.72E-03	13.7	311	10.5	1.2
		8_4	364700	3092600	5.2	1.56E-03	1.56E-03	21.3	298	14.7	0.5
		8_5	364700	3092600	5.2	6.87E-04	6.88E-04	21.3	298	14.7	0.5
		8_6 <sup>a</sup>	364700	3092600	5.2	5.52E-03	5.53E-03	N/A	N/A	N/A	N/A
570238	PREFERRED MATERIALS, INC., TAMPA KEYS	9_1	363200	3093300	4.3	3.04E-02	3.04E-02	4.6	299	6.5	0.3
7771101	WOODRUFF & SONS INC	10_1 <sup>a,c,e</sup>	361885	3093420	4.5	1.36E-01	5.75E-01	N/A	N/A	N/A	N/A
		10_2 <sup>a,c,e</sup>	361885	3093420	4.5	1.14E-02	4.82E-02	3.0	322	45.3	0.2
571290	TITAN AMERICA, LLC	11_1	358530	3087830	0.0	8.11E-01	N/A	61.0	300	24.4	0.9
		11_2	358530	3087830	0.0	6.61E-02	N/A	12.2	300	43.1	0.2
		11_3	358530	3087830	0.0	6.61E-02	N/A	12.2	300	43.1	0.2
		11_4 <sup>b</sup>	358530	3087830	0.0	4.80E-01	N/A	9.1	300	22.1	0.2
		11_5 <sup>b</sup>	359940	3087810	2.3	5.75E-02	N/A	58.2	294	13.9	0.3
		11_6 <sup>b</sup>	359940	3087810	2.3	5.75E-02	N/A	58.2	294	13.9	0.3
		11_7	359940	3087810	2.3	2.59E-01	N/A	3.0	322	45.3	0.2
		11_8	359940	3087810	2.3	5.75E-02	N/A	2.1	322	45.3	0.2
		11_9	359940	3087810	2.3	4.60E-02	N/A	2.1	322	45.3	0.2
		11_10 <sup>b</sup>	359940	3087810	2.3	1.72E-02	N/A	9.1	294	22.1	0.2
		11_11 <sup>b</sup>	359940	3087810	2.3	1.72E-02	N/A	9.1	294	22.1	0.2
		11_12 <sup>b</sup>	359940	3087810	2.3	1.72E-02	N/A	2.1	294	22.1	0.2
		11_13 <sup>a</sup>	359940	3087810	2.3	4.37E-01	N/A	N/A	N/A	N/A	N/A
		11_14 <sup>a</sup>	359940	3087810	2.3	1.47E-01	N/A	N/A	N/A	N/A	N/A
		11_15	359940	3087810	2.3	1.44E-02	N/A	7.6	294	0.1	1.5
		11_16 <sup>b</sup>	359940	3087810	2.3	1.44E-02	N/A	7.6	294	0.1	1.5
		11_17 <sup>b</sup>	359940	3087810	2.3	1.44E-02	N/A	7.6	294	0.1	1.5
		11_18	359940	3087810	2.3	1.44E-02	N/A	7.6	294	0.1	1.5
		11_19 <sup>b</sup>	359940	3087810	2.3	2.59E-01	N/A	7.6	294	2.1	1.5
		11_20	359940	3087810	2.3	4.54E-01	N/A	22.9	294	12.5	1.5
		11_21 <sup>a</sup>	359940	3087810	2.3	4.60E-02	N/A	N/A	N/A	N/A	N/A
570119	TRADEMARK METALS RECYCLING, LLC	12_1 <sup>b</sup>	364700	3093600	8.2	8.62E-04	8.63E-04	7.6	405	20.2	0.2
		12_2	364700	3093600	8.2	3.56E-03	3.56E-03	15.2	405	20.2	1.2
		12_3	364700	3093600	8.2	3.42E-03	3.42E-03	15.2	405	20.2	1.2
570025	TRADEMARK NITROGEN CORP	13_1	367300	3092600	7.6	6.47E-04	N/A	15.2	450	32.9	0.5
		13_2	367300	3092600	7.6	8.57E-01	N/A	9.1	450	42.6	0.5
570486	TRANSFLO TERMINAL SERVICES, INC. (TTSI)	14_1 <sup>b,e</sup>	360090	3093220	3.9	1.35E+00	5.84E+00	5.0	0	6.6	0.4
570405	WINGFOOT COMMERCIAL TIRE SYSTEMS, LLC	15_1	366400	3093200	8.9	3.79E-03	3.80E-03	6.1	319	22.0	0.3
7775159	WOODRUFF & SONS, INC.	16_1 <sup>f</sup>	364380	3093180	5.2	2.01E-01	6.31E-01	10.7	300	6.5	0.3

Table 3.14  
Summary of PM<sub>10</sub> AAQS Modeling Inventory  
EnviroFocus Technologies, LLC  
Tampa, Florida

Facility ID	Company Name	Source ID	Coordinates		Elevation (m)	Emission Rate		Stack Height (m)	Exit Temperature (K)	Velocity (m/s)	Diameter (m)	
			UTMx (m)	UTMy (m)		Long Term (g/s)	Short Term (g/s)					
570018	VULCAN MATERIALS CO / FLORIDA ROCK DIV.	17_1	358000	3090000	0.4	N/A	9.01E-04	30.5	298	12.2	0.8	
		17_2	357890	3090700	1.2	N/A	1.15E-05	29.9	298	11.9	0.5	
		17_3	357890	3090700	1.2	N/A	1.41E-05	29.9	298	11.9	0.5	
		17_4	357890	3090700	1.2	N/A	1.60E-03	27.4	298	69.5	0.3	
		17_5 <sup>a</sup>	357890	3090700	1.2	N/A	6.29E-04	6.1	298	29.1	0.6	
		17_6 <sup>b</sup>	357890	3090700	1.2	N/A	4.22E-04	0.9	298	17.8	0.1	
		17_7 <sup>b</sup>	357890	3090700	1.2	N/A	1.90E+00	0.9	298	17.8	0.1	
		17_8 <sup>c</sup>	357890	3090700	1.2	N/A	3.04E+00	0.9	298	17.8	0.1	
		17_9	357890	3090700	1.2	N/A	7.15E-04	12.2	298	9.4	0.7	
		17_10	357890	3090700	1.2	N/A	6.29E-04	36.6	298	32.3	0.3	
		17_11	357890	3090700	1.2	N/A	8.06E-02	3.7	298	32.3	0.6	
		17_12	357890	3090700	1.2	N/A	2.13E-04	14.9	298	12.9	0.6	
		17_13	357890	3090700	1.2	N/A	1.15E-02	14.9	298	12.9	0.6	
		17_14 <sup>d</sup>	357890	3090700	1.2	N/A	2.14E-01	N/A	N/A	N/A	N/A	N/A
		17_15 <sup>a</sup>	357890	3090700	1.2	N/A	6.31E-02	15.2	298	17.8	0.1	
		17_16 <sup>b</sup>	357890	3090700	1.2	N/A	6.31E-02	3.0	298	17.8	0.1	
		17_17 <sup>b</sup>	357890	3090700	1.2	N/A	5.04E-02	0.9	298	17.8	0.1	
		17_18 <sup>b</sup>	357890	3090700	1.2	N/A	2.40E-01	0.9	298	17.8	0.1	
		17_19 <sup>b</sup>	357890	3090700	1.2	N/A	6.77E-05	0.9	298	17.8	0.1	
		17_20	357890	3090700	1.2	N/A	6.38E-04	11.9	300	17.8	0.1	
		17_21 <sup>b</sup>	357890	3090700	1.2	N/A	4.50E-05	18.3	300	17.8	0.3	
		17_22 <sup>b</sup>	357890	3090700	1.2	N/A	5.69E-04	0.9	298	17.8	0.1	
		17_23 <sup>b</sup>	357890	3090700	1.2	N/A	1.23E-02	3.0	298	17.8	0.1	
		17_24	357900	3090700	1.3	N/A	6.70E-04	31.1	298	19.5	0.6	
		17_25	357900	3090700	1.3	N/A	9.73E-04	44.8	298	13.4	0.5	
		17_26	357900	3090700	1.3	N/A	3.93E-04	44.8	298	13.4	0.5	
		17_27	357900	3090700	1.3	N/A	1.34E-03	44.8	298	13.4	0.5	
		17_28	357900	3090700	1.3	N/A	1.25E-03	25.3	298	24.4	0.7	
		17_29	357900	3090700	1.3	N/A	6.07E-04	25.3	298	7.3	1.0	
		17_30	357900	3090700	1.3	N/A	1.60E-03	25.3	298	18.9	1.0	
		17_31	357900	3090700	1.3	N/A	1.17E-03	4.9	298	16.8	0.7	
		17_32	357900	3090700	1.3	N/A	1.57E-03	25.3	298	18.9	1.0	
		17_33	357900	3090700	1.3	N/A	1.57E-03	17.4	298	17.1	0.7	
		17_34	357900	3090700	1.3	N/A	1.57E-03	9.1	298	16.8	0.7	
		17_35	357900	3090700	1.3	N/A	8.63E-03	14.9	298	19.2	0.6	
		17_36	357900	3090700	1.3	N/A	8.63E-03	22.3	298	23.2	0.6	
		17_37	357900	3090700	1.3	N/A	1.44E-02	9.1	505	22.5	0.9	
		17_38	358000	3090700	1.4	N/A	6.29E-04	53.0	298	28.7	0.5	
		17_39	358000	3090700	1.4	N/A	1.03E-03	53.0	298	23.0	0.5	
		17_40	358000	3090700	1.4	N/A	2.10E-04	18.3	298	34.1	0.3	
		17_41	358000	3090700	1.4	N/A	2.10E-04	18.3	298	34.1	0.3	
1050352	LAKELAND ELECTRIC	18_1	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_2	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_3	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_4	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_5	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_6	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_7	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_8	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_9	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_10	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_11	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_12	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_13	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_14	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_15	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_16	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_17	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_18	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_19	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_20	400080	3100690	43.0	N/A	2.40E+00	9.1	666	41.2	0.6	
		18_21 <sup>b</sup>	400080	3100690	43.0	N/A	1.43E-01	3.7	666	41.2	0.2	

Notes:

- <sup>a</sup>Modeled as volume source with parameters: Side length = 10m, release height = 5m
- <sup>b</sup>Missing data was filled in with conservative assumptions
- <sup>c</sup>Flow rate of 120,000 cfm assumed to be a typo; would give a velocity of 636 ft/s; modified to 12,000 cfm
- <sup>d</sup>Coordinates (363510m E, 3092970m N) found to be incorrect; coordinates adjusted to (361885m E, 3093420m N)

**Table 3.15**  
**Summary of Full Impact Analysis: Lead**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

<b>Pollutant</b>	<b>Averaging Period</b>	<b>Receptor</b>	<b>Maximum Modeled Concentration (µg/m3)</b>	<b>Background Concentration (µg/m3)</b>	<b>Total Concentration (µg/m3)</b>	<b>NAAQS (µg/m<sup>3</sup>)</b>
Lead	Rolling 3-Months	All Receptors	0.115	0.016	0.13	0.15

**Table 3.16**  
**Summary of Full Impact Analysis: PM<sub>10</sub>**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

**a) Modeling Results at all Receptors in the Circular SIA**

Pollutant	Averaging Period	Year	Receptor		Maximum Modeled Concentration (µg/m <sup>3</sup> )	Background Concentration (µg/m <sup>3</sup> )	Total Concentration (µg/m <sup>3</sup> )	NAAQS (µg/m <sup>3</sup> )	Violation of NAAQS?
			X	Y					
PM <sub>10</sub>	Annual <sup>a</sup>	2006	361840	3093393	56.5	20.2	1005.1	50.0	Yes
		2007	361840	3093393	73.9	20.2	94.1	50.0	Yes
		2008	361840	3093393	57.2	20.2	77.4	50.0	Yes
		2009	361840	3093393	66.2	20.2	86.4	50.0	Yes
		2010	361840	3093393	63.4	20.2	83.6	50.0	Yes
	24-hour <sup>b</sup>	2006	361840	3093393	984.9	45.0	1029.9	150.0	Yes
		2007	361840	3093393	1080.2	45.0	1125.2	150.0	Yes
		2008	361840	3093393	956.3	45.0	1001.3	150.0	Yes
		2009	361840	3093393	1187.7	45.0	1232.7	150.0	Yes
		2010	361840	3093393	1130.5	45.0	1175.5	150.0	Yes

**b) Modeling Results at Receptors where EnviroFocus Impact is Significant (i.e. exceeds Significance Thresholds)**

Pollutant	Averaging Period	Year	Receptor		Maximum Modeled Concentration (µg/m <sup>3</sup> )	Background Concentration (µg/m <sup>3</sup> )	Total Concentration (µg/m <sup>3</sup> )	NAAQS (µg/m <sup>3</sup> )	Violation of NAAQS?
			X	Y					
PM <sub>10</sub>	Annual <sup>a</sup>	2006	364178	3093725	9.4	20.2	29.6	50.0	No
		2007	364178	3093725	10.7	20.2	30.9	50.0	No
		2008	364178	3093725	10.5	20.2	30.7	50.0	No
		2009	364178	3093725	10.7	20.2	30.9	50.0	No
		2010	364178	3093725	10.8	20.2	31.0	50.0	No
	24-hour <sup>b</sup>	2006	364490	3093193	57.3	45.0	102.3	150.0	No
		2007	362340	3093793	76.1	45.0	121.1	150.0	No
		2008	364240	3093093	59.6	45.0	104.6	150.0	No
		2009	363040	3094293	91.9	45.0	136.9	150.0	No
		2010	362240	3093093	84.9	45.0	129.9	150.0	No

**Notes:**

<sup>a</sup> Modelled annual concentrations are the highest 1st highest during that year

<sup>b</sup> Modeled 24-hour concentrations are the highest 2nd highest each year

## **Appendix B Figures**

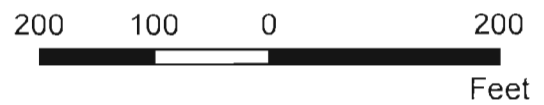


Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, iGP, and the GIS User Community



2400 Meadowpine Blvd, Mississauga, ON

**Modeled Sources and Buildings Layout**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

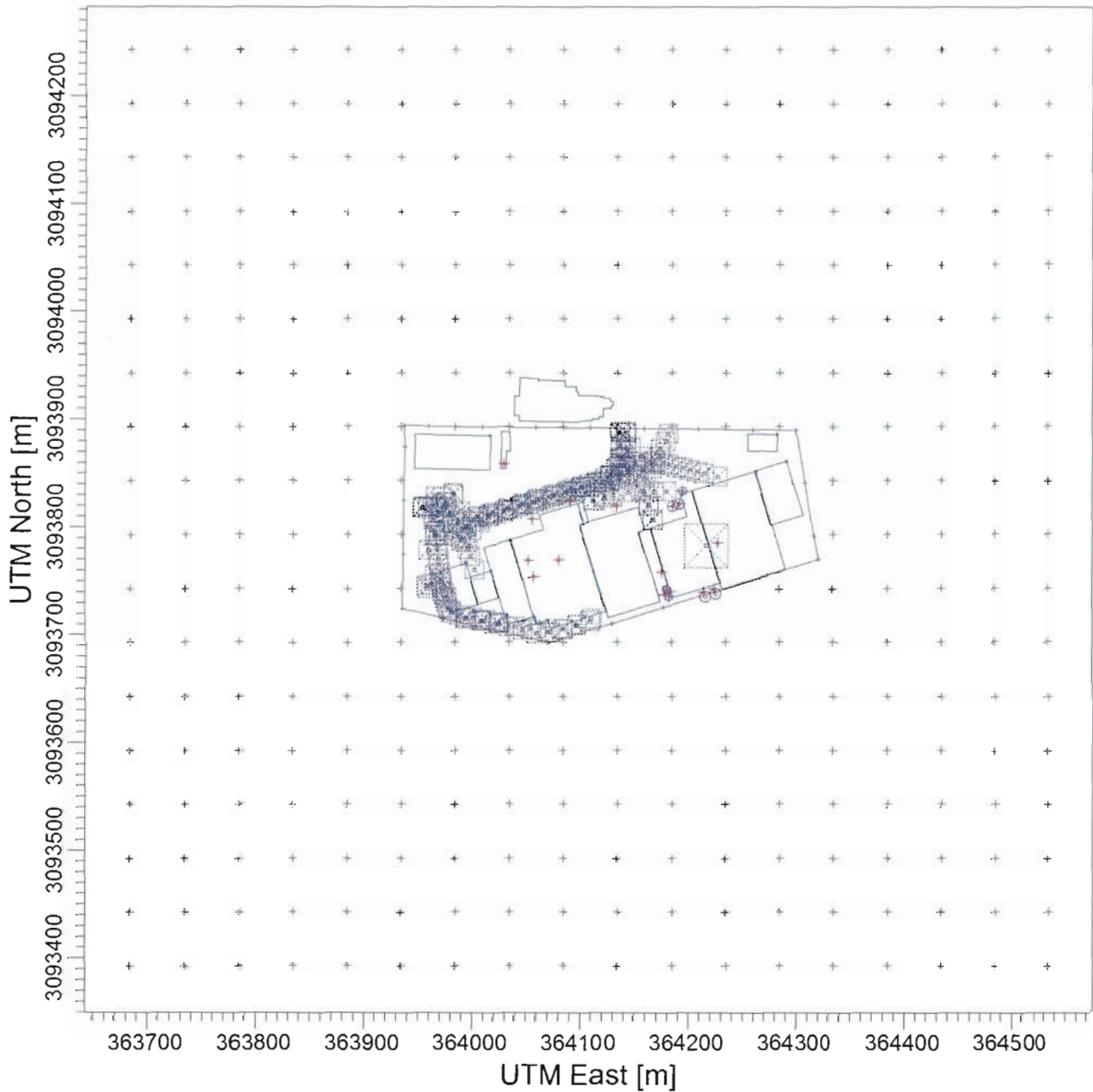


**FIGURE**  
**2.1**

DATE: 10/25/2012

IMAGE TITLE

Figure 3.1 - Model View of EnviroFocus Facility with All Sources



COMMENTS:

This figure depicts the EnviroFocus Technologies buildings and sources emitting lead and PM10

SOURCES:

337

COMPANY NAME:

EnviroFocus Technologies, LLC

RECEPTORS:

5919

SCALE:

1:5,946

0  0.2 km



DATE:

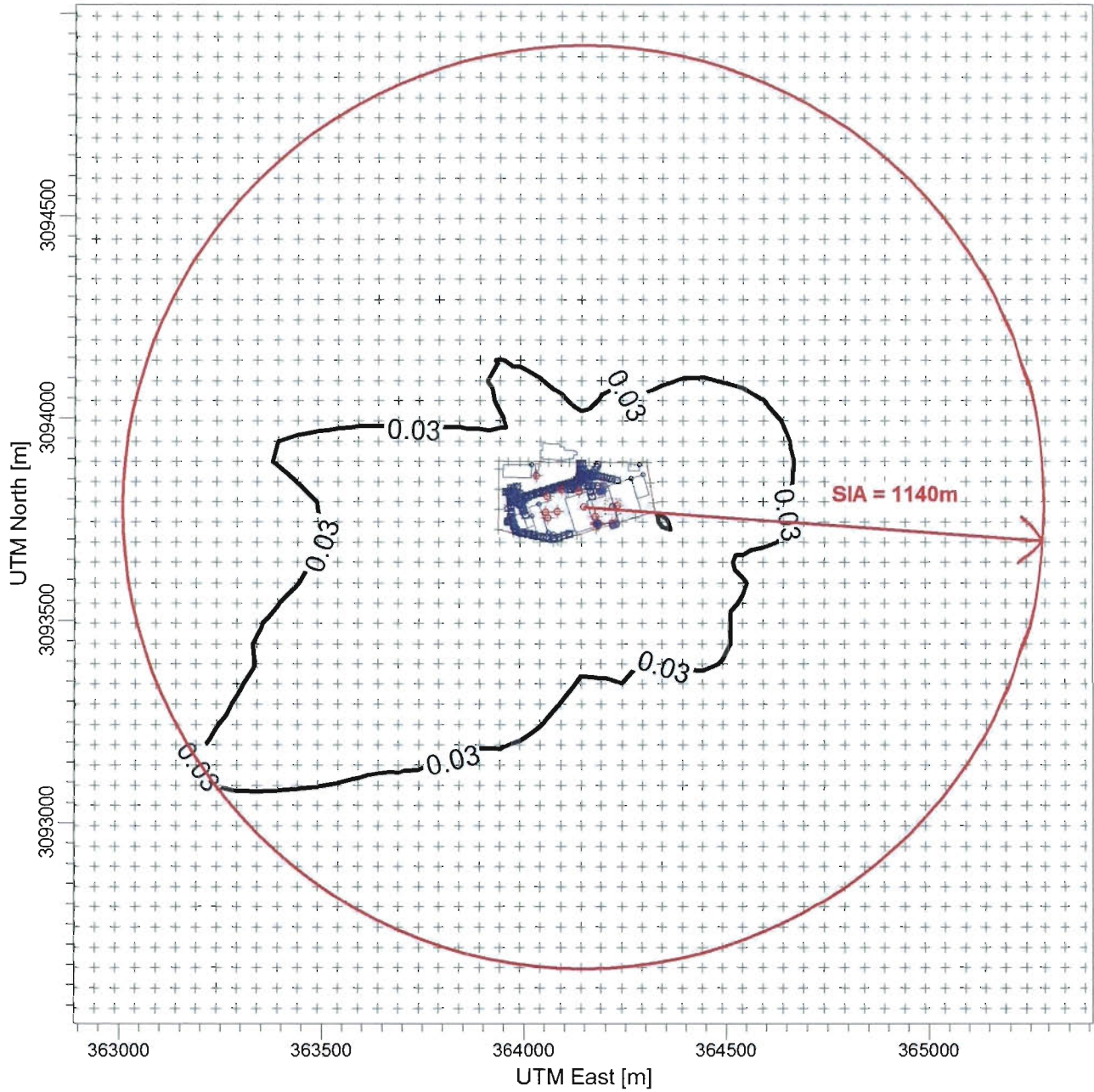
10/24/2012

PROJECT NO.:

07-15422D

PROJECT TITLE:

**Figure 3.2 - EnviroFocus Technologies' Significant Impact Area for Lead**




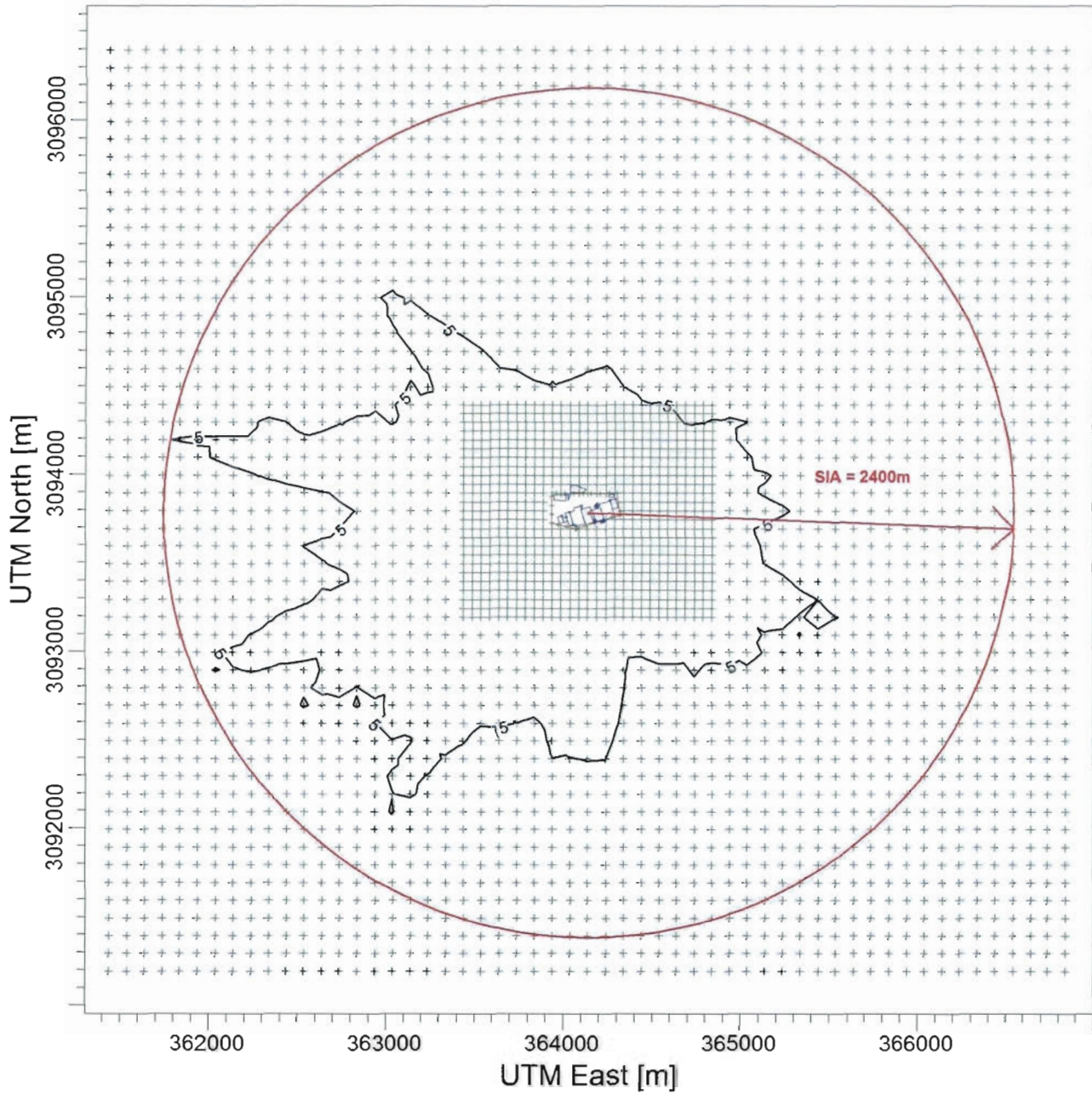
<p>COMMENTS:</p> <p>Figure depicts EnviroFocus Technologies' significant impact area for Lead</p>	<p>SOURCES:</p> <p><b>378</b></p>	<p>COMPANY NAME:</p>	
	<p>RECEPTORS:</p> <p><b>5916</b></p>	<p>MODELER:</p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE: 1:15,834</p> <p>0  0.5 km</p>	
	<p>MAX:</p> <p><b>0.111863 ug/m^3</b></p>	<p>DATE:</p> <p><b>25/10/2012</b></p>	<p>PROJECT NO.:</p>



IMAGE TITLE

**Figure 3.3 - PM10 Emission EnviroFocus Significant Impact Area**



**COMMENTS:**

Figure depicts EnviroFocus Technologies' significant impact area for PM10

**SOURCES:**

**412**

**COMPANY NAME:**

**EnviroFocus Technologies, LLC**

**RECEPTORS:**

**3446**

**OUTPUT TYPE:**

**Concentration**

**SCALE:**

1:36,269

0 1 km



**MAX:**

**37.49935 ug/m^3**

**DATE:**

**10/24/2012**

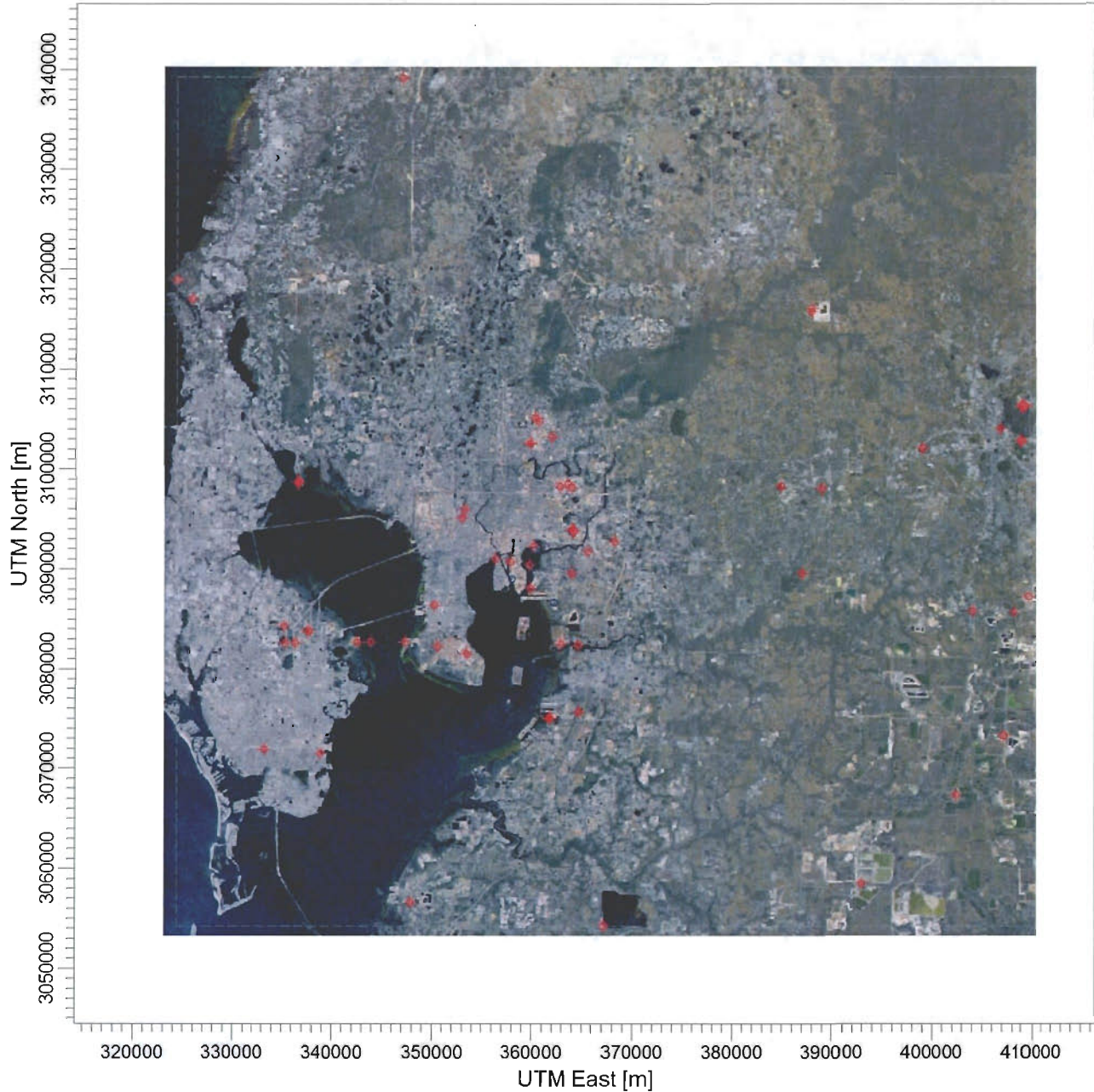
**PROJECT NO.:**


**07-15422D**



PROJECT TITLE:

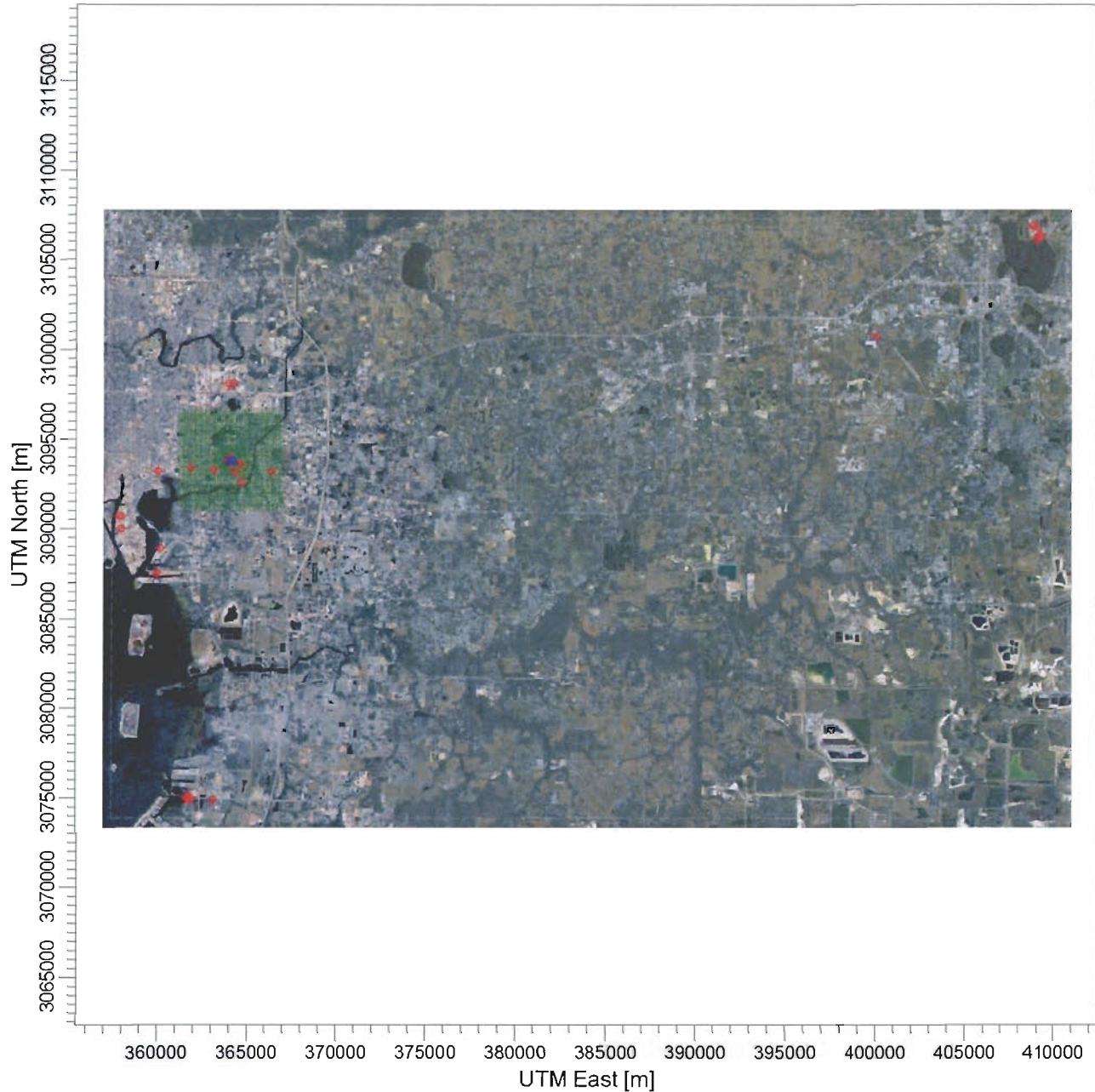
**Figure 3.5 - All Lead-Emitting Sources Modeled**



<p>COMMENTS:</p> <p>This figure depicts all lead-emitting sources modeled (including neighboring sources)</p>	<p>SOURCES:</p> <p><b>378</b></p>	<p>COMPANY NAME:</p>	
	<p>RECEPTORS:</p> <p><b>5916</b></p>	<p>MODELER:</p>	
		<p>SCALE: 1:642,992</p> <p>0  20 km</p>	
		<p>DATE:</p> <p><b>25/10/2012</b></p>	<p>PROJECT NO.:</p> <p><b>07-15422D</b></p>

PROJECT TITLE:

**Figure 3.6 - All Modeled PM10-Emitting Sources**



COMMENTS:

Figure depicts all modeled PM10 sources (red markers), modeling limits (dotted line), and receptor grid (green markers)

SOURCES:

**412**

COMPANY NAME:

RECEPTORS:

**3446**

MODELER:

SCALE: 1:358,128

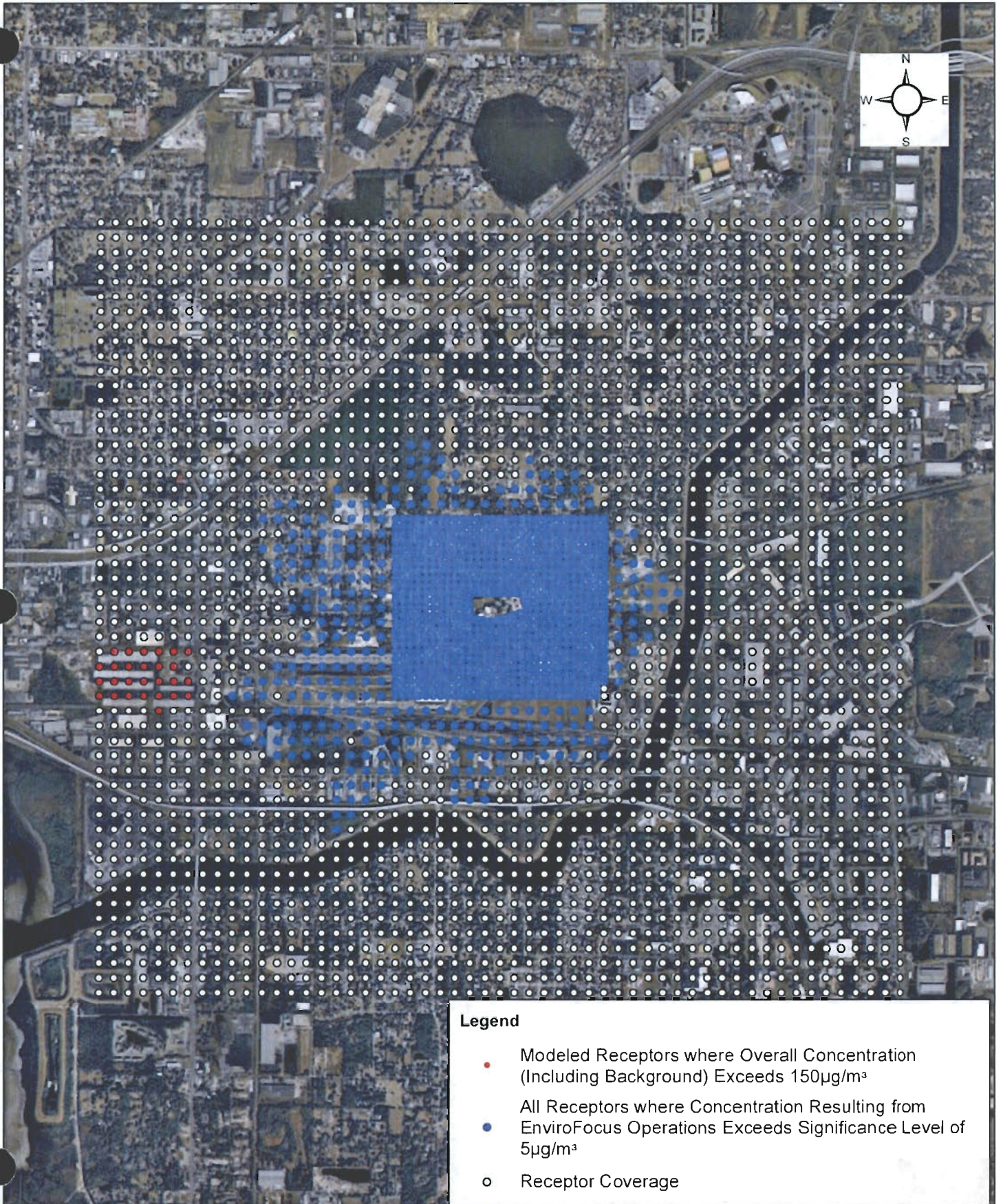
0  10 km

DATE:

**25/10/2012**

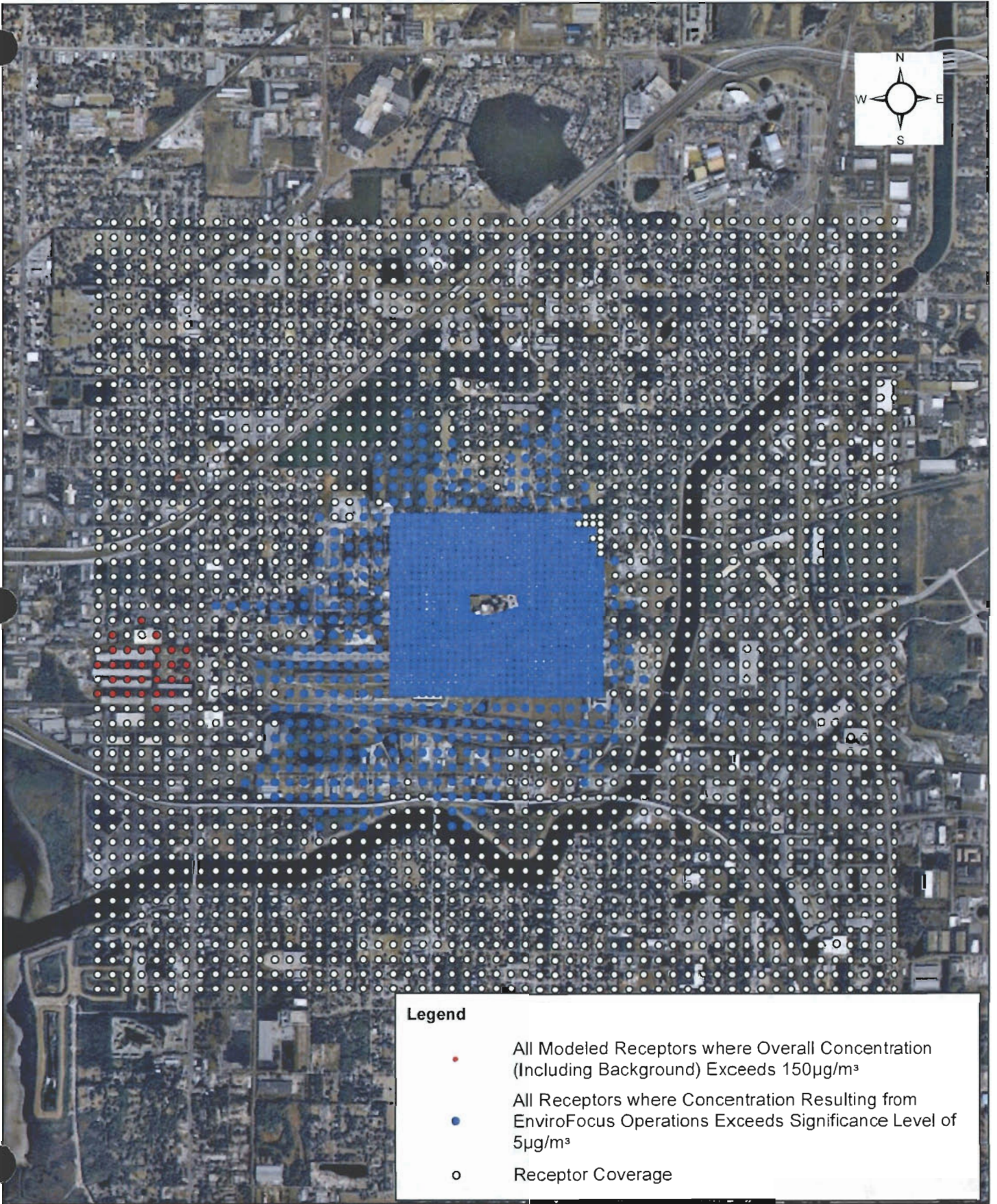
PROJECT NO.:

**07-15422D**



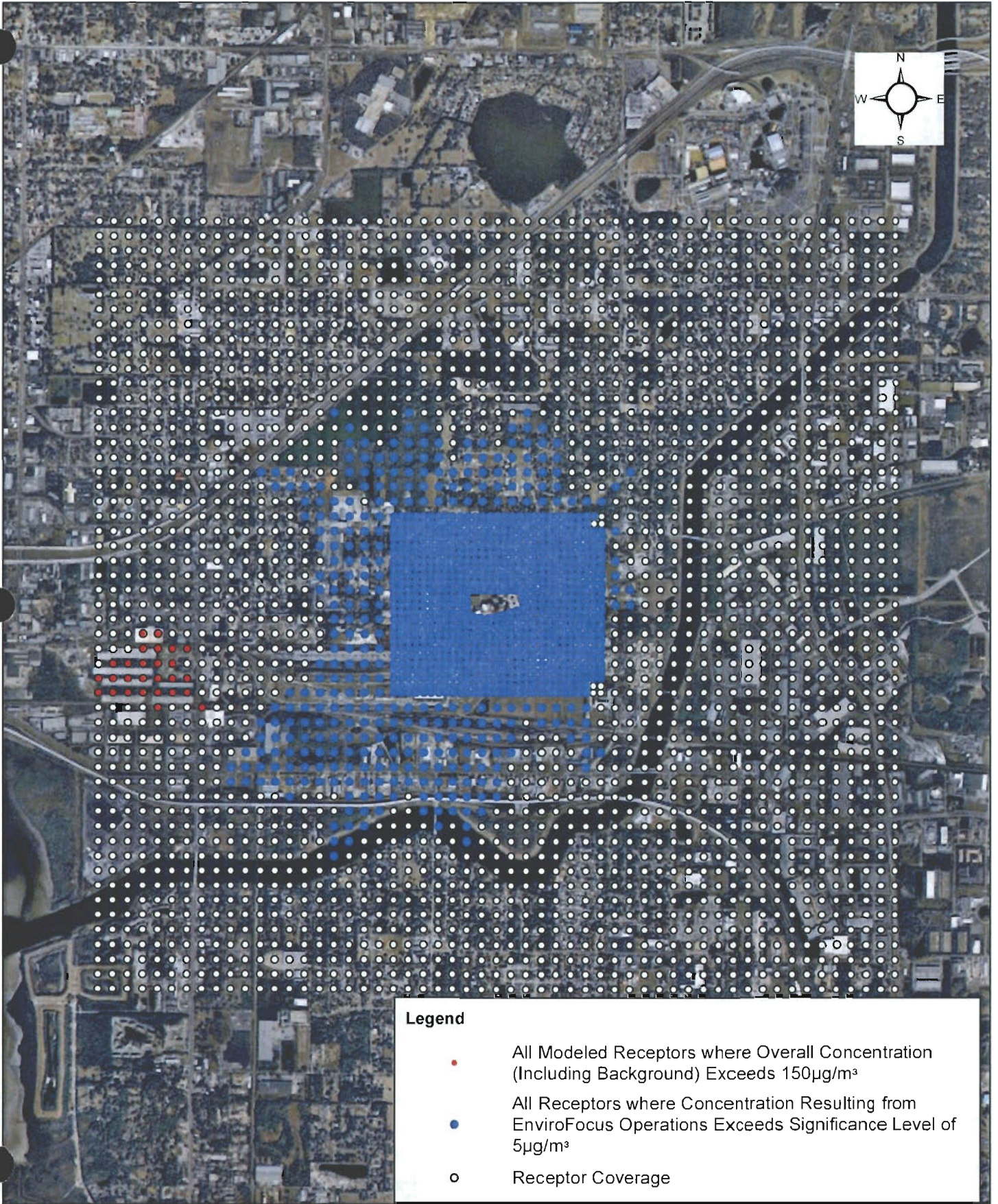
**Legend**

- Modeled Receptors where Overall Concentration (Including Background) Exceeds  $150\mu\text{g}/\text{m}^3$
- All Receptors where Concentration Resulting from EnviroFocus Operations Exceeds Significance Level of  $5\mu\text{g}/\text{m}^3$
- Receptor Coverage



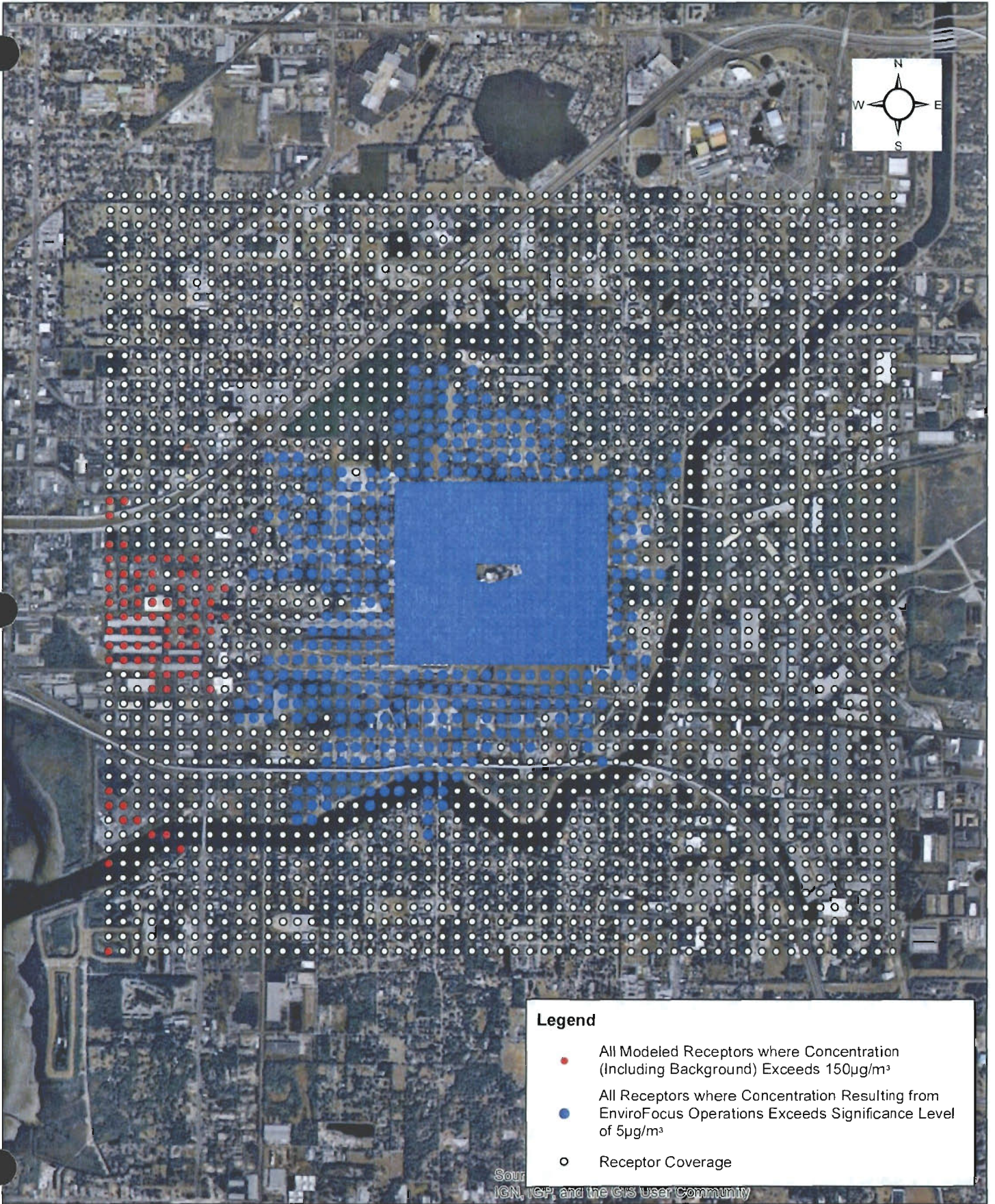
**Legend**

- All Modeled Receptors where Overall Concentration (Including Background) Exceeds 150µg/m³
- All Receptors where Concentration Resulting from EnviroFocus Operations Exceeds Significance Level of 5µg/m³
- Receptor Coverage



**Legend**

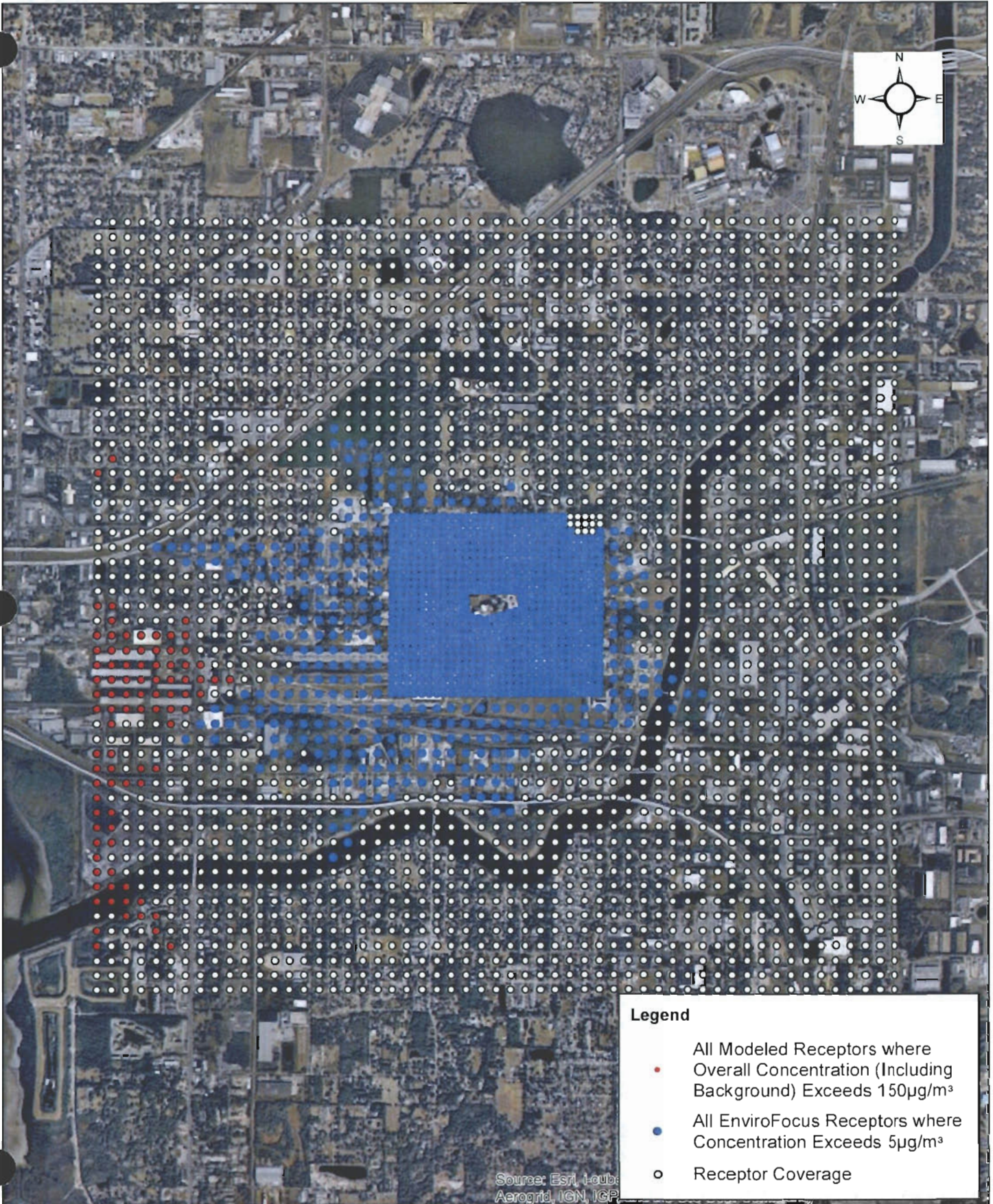
- All Modeled Receptors where Overall Concentration (Including Background) Exceeds  $150\mu\text{g}/\text{m}^3$
- All Receptors where Concentration Resulting from EnviroFocus Operations Exceeds Significance Level of  $5\mu\text{g}/\text{m}^3$
- Receptor Coverage



- Legend**
- All Modeled Receptors where Concentration (Including Background) Exceeds  $150\mu\text{g}/\text{m}^3$
  - All Receptors where Concentration Resulting from EnviroFocus Operations Exceeds Significance Level of  $5\mu\text{g}/\text{m}^3$
  - Receptor Coverage

Source: IGN, IGP, and the GIS User Community



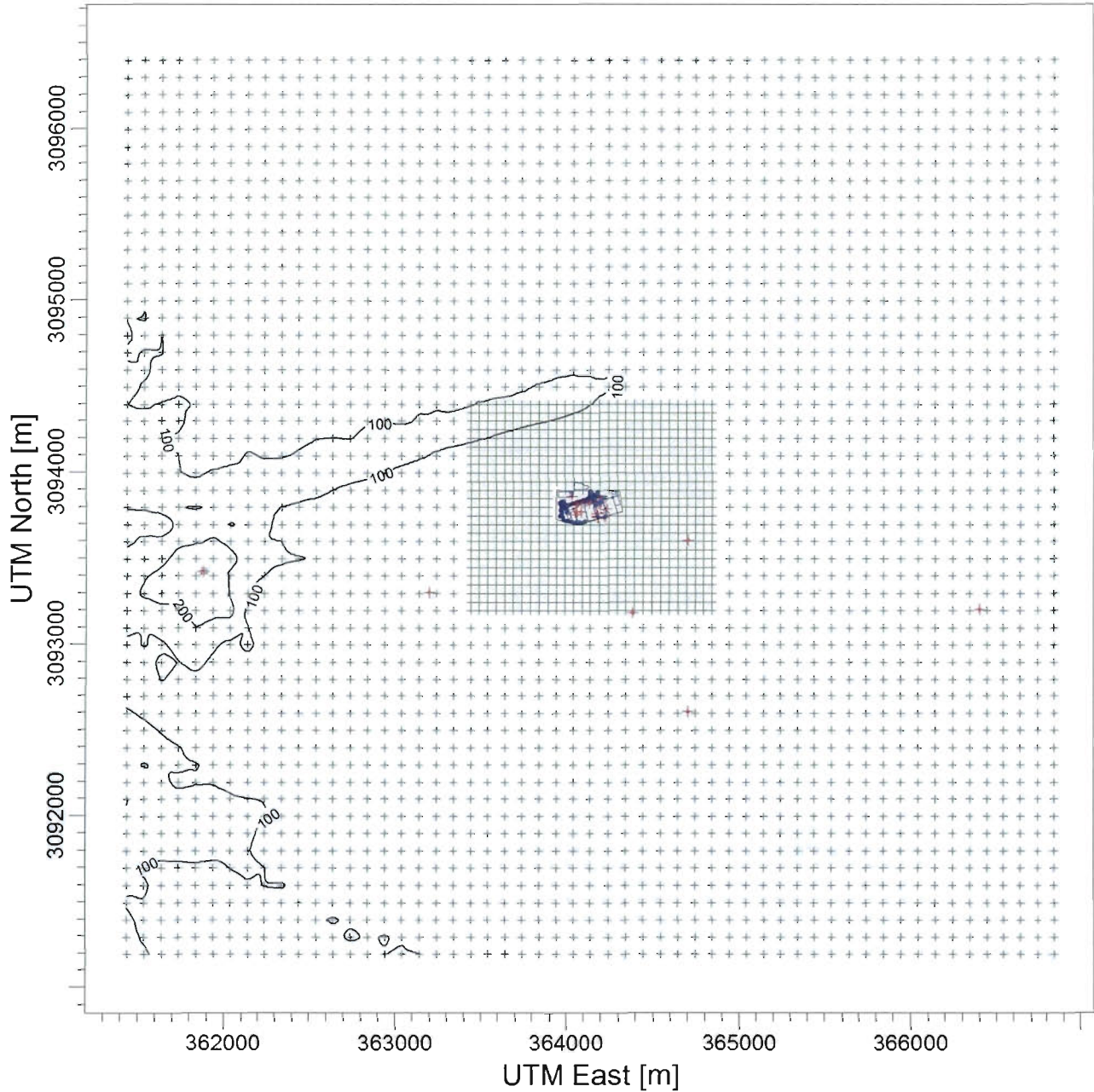




- Legend**
- All Modeled Receptors where Overall Concentration (Including Background) Exceeds  $150\mu\text{g}/\text{m}^3$
  - All EnviroFocus Receptors where Concentration Exceeds  $5\mu\text{g}/\text{m}^3$
  - Receptor Coverage

Source: Esri, DeLorme, AeroGRID, IGN, IGP

IMAGE TITLE

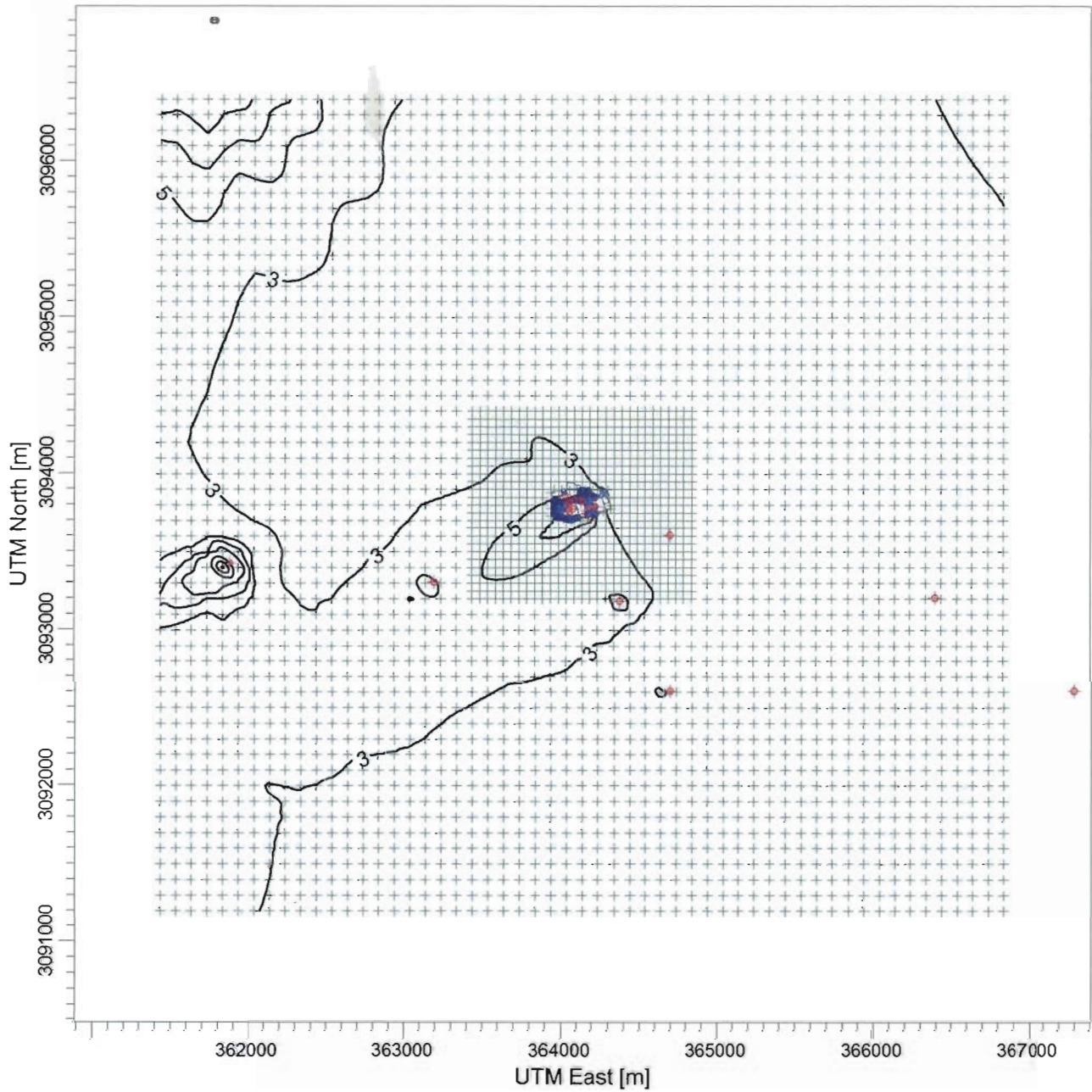
**Figure 3.12 - PM-10 Maximum 24-hr 2nd Highest Concentration Plot**



<p>COMMENTS:</p> <p>This figure depicts the maximum 2nd-highest 24-hr concentration profile for all PM10-emitting sources (2009 MET data)</p>	<p>SOURCES:</p> <p><b>412</b></p>	<p>COMPANY NAME:</p> <p><b>EnviroFocus Technologies, LLC</b></p>	
	<p>RECEPTORS:</p> <p><b>3446</b></p>		
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>		
	<p>MAX:</p> <p><b>1192.63838 ug/m^3</b></p>	<p>DATE:</p> <p><b>10/26/2012</b></p>	 <p>PROJECT NO:</p> <p><b>07-15422D</b></p>

PROJECT TITLE:

**Figure 3.13 - PM-10 Annual Highest Concentration Plot**





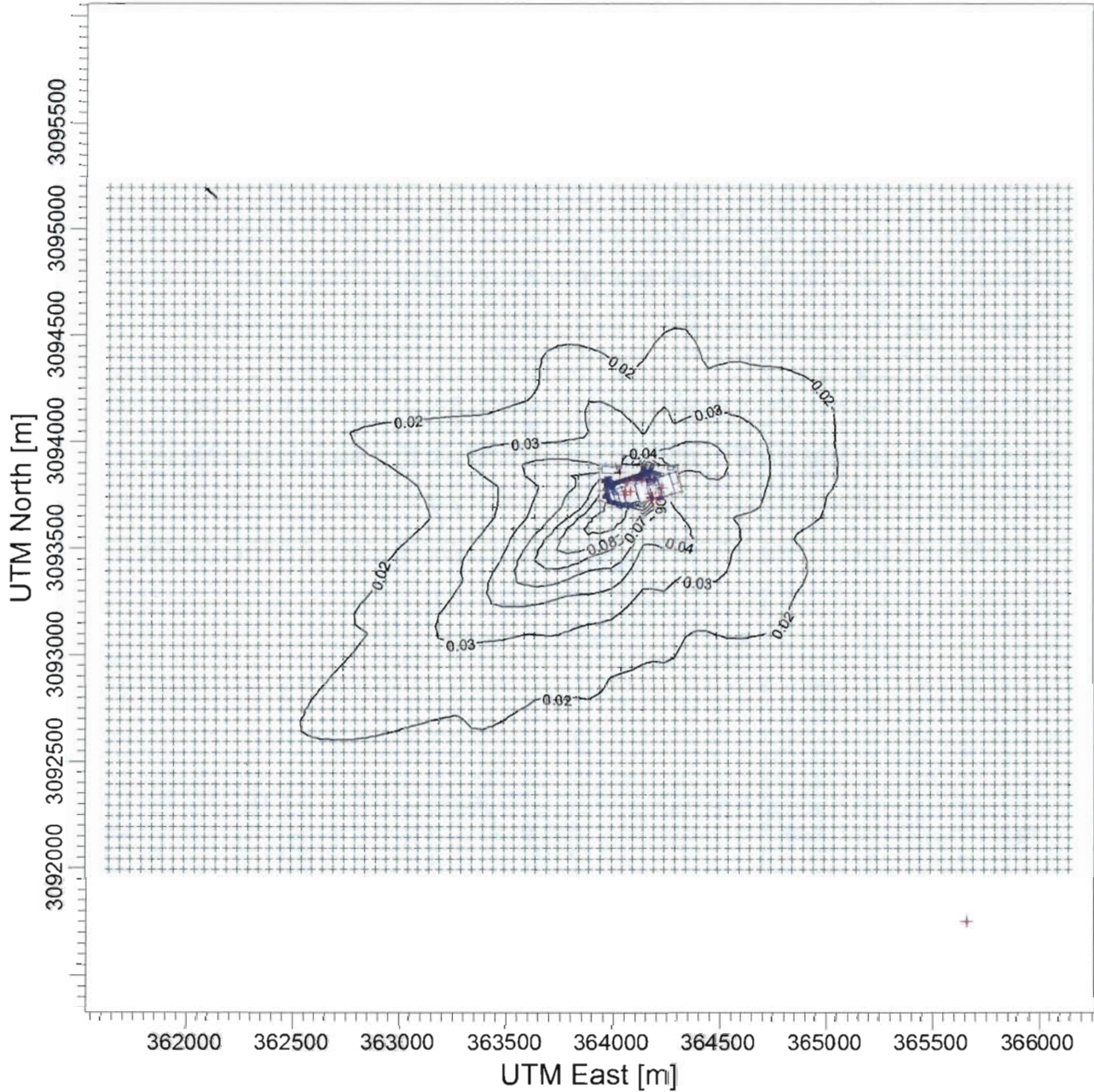


<p>COMMENTS:</p> <p>This figure depicts the maximum annual PM10 concentration profile for all sources (2007 MET data)</p>	<p>SOURCES:</p> <p><b>379</b></p>	<p>COMPANY NAME:</p>	
	<p>RECEPTORS:</p> <p><b>3446</b></p>	<p>MODELER:</p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE: 1:40,971</p> <p>0  1 km</p>	
	<p>MAX:</p> <p><b>73.9414 ug/m^3</b></p>	<p>DATE:</p> <p><b>25/10/2012</b></p>	

IMAGE TITLE

**Figure 3.14 - Lead Maximum 3-Month Rolling Average Concentration Plot**



<p>COMMENTS:</p> <p>This figure depicts the 3-month rolling average concentration profile for all lead-emitting sources</p>	<p>SOURCES:</p> <p><b>378</b></p>	<p>COMPANY NAME:</p> <p><b>EnviroFocus Technologies, LLC</b></p>	
	<p>RECEPTORS:</p> <p><b>5916</b></p>		
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>		
	<p>MAX:</p> <p><b>0.115213 ug/m^3</b></p>	<p>SCALE:</p> <p>1:30,159</p>	
	<p>DATE:</p> <p><b>10/26/2012</b></p>	<p>PROJECT NO.:</p> <p><b>07-15422D</b></p>	

**Appendix C**  
**BPIP Input File**

'PSD SIA'  
'P'  
'METERS' 1.00000000  
'UTMY' 0.0000

23

'E17-00' 1 9.14  
8 19.20  
364225.80 3093742.90  
364222.34 3093741.46  
364220.90 3093738.00  
364222.34 3093734.54  
364225.80 3093733.10  
364229.26 3093734.54  
364230.70 3093738.00  
364229.26 3093741.46

'E16-00' 1 9.14  
8 19.20  
364216.30 3093740.10  
364212.84 3093738.66  
364211.40 3093735.20  
364212.84 3093731.74  
364216.30 3093730.30  
364219.76 3093731.74  
364221.20 3093735.20  
364219.76 3093738.66

'E13-00' 1 8.69  
8 19.20  
364186.00 3093823.90  
364182.54 3093822.46  
364181.10 3093819.00  
364182.54 3093815.54  
364186.00 3093814.10  
364189.46 3093815.54  
364190.90 3093819.00  
364189.46 3093822.46

'E14-00' 1 8.68  
8 19.20  
364192.00 3093825.70  
364188.54 3093824.26  
364187.10 3093820.80  
364188.54 3093817.34  
364192.00 3093815.90  
364195.46 3093817.34  
364196.90 3093820.80  
364195.46 3093824.26

'E15-00' 1 8.59  
8 9.10  
364194.90 3093836.80  
364192.28 3093835.72  
364191.20 3093833.10  
364192.28 3093830.48  
364194.90 3093829.40  
364197.52 3093830.48  
364198.60 3093833.10

		364197.52	3093835.72
'E9-00'	1	9.05	
8		19.80	
		364180.80	3093745.40
		364178.18	3093744.32
		364177.10	3093741.70
		364178.18	3093739.08
		364180.80	3093738.00
		364183.42	3093739.08
		364184.50	3093741.70
		364183.42	3093744.32
'E10-00'	1	9.08	
8		19.80	
		364182.60	3093739.50
		364179.98	3093738.42
		364178.90	3093735.80
		364179.98	3093733.18
		364182.60	3093732.10
		364185.22	3093733.18
		364186.30	3093735.80
		364185.22	3093738.42
'MAIN1'	1	8.90	
4		8.90	
		363995.50	3093766.10
		364007.11	3093728.13
		363983.20	3093720.82
		363971.59	3093758.79
'MAIN2'	1	8.90	
4		8.90	
		364018.70	3093758.90
		364026.24	3093734.23
		364006.63	3093728.23
		363999.09	3093752.90
'MAIN3'	1	8.90	
4		8.90	
		364036.40	3093787.90
		364058.21	3093716.56
		364033.53	3093709.02
		364011.72	3093780.35
'MAIN8'	1	10.40	
4		7.60	
		364262.60	3093851.50
		364290.43	3093760.46
		364231.54	3093742.45
		364203.70	3093833.49
'MAIN9'	1	10.40	
4		7.60	
		364291.50	3093860.60
		364306.79	3093810.59
		364277.23	3093801.56
		364261.94	3093851.56
'FLAT1'	1	8.90	
4		8.50	
		364058.90	3093716.80

		364060.83	3093710.49
		364046.10	3093705.98
		364044.17	3093712.30
'FLAT2'	1		8.90
	4	6.10	
		364071.20	3093713.70
		364073.01	3093707.77
		364066.70	3093705.84
		364064.88	3093711.77
'FLAT3'	1		8.90
	4	6.10	
		364103.30	3093823.10
		364109.18	3093803.88
		364104.30	3093802.39
		364098.42	3093821.61
'PRAXAIR'	1		8.54
	4	8.20	
		364282.60	3093885.30
		364282.33	3093870.00
		364254.94	3093870.48
		364255.21	3093885.78
'STMWATER'	1		7.95
	4	3.10	
		364017.40	3093884.20
		364016.85	3093852.60
		363947.06	3093853.82
		363947.61	3093885.42
'MAIN4'	1		8.90
	10	17.00	
		364104.40	3093802.50
		364098.50	3093821.50
		364062.70	3093810.60
		364066.70	3093797.20
		364036.50	3093787.90
		364060.40	3093710.10
		364071.00	3093713.70
		364073.50	3093705.80
		364125.20	3093721.60
		364100.40	3093801.40
'MAIN5'	1		8.90
	6	16.20	
		364154.00	3093818.00
		364160.40	3093797.10
		364154.60	3093795.30
		364174.60	3093731.00
		364126.10	3093715.70
		364099.60	3093801.20
'MAIN7'	1		10.40
	6	15.20	
		364204.40	3093833.70
		364192.70	3093830.00
		364199.10	3093808.90
		364165.20	3093798.60
		364185.10	3093733.90



		364230.70		3093747.90	
'PROPANE'	1		8.13		
	6	4.57			
		364035.50		3093869.80	
		364035.80		3093888.00	
		364027.40		3093887.80	
		364027.20		3093853.90	
		364031.90		3093853.70	
		364031.90		3093869.80	
'BLD9'	1		8.11		
	30	6.10			
		364044.70		3093937.80	
		364061.70		3093937.50	
		364061.70		3093935.80	
		364086.50		3093935.40	
		364086.50		3093929.60	
		364097.10		3093929.60	
		364097.20		3093925.00	
		364098.80		3093925.00	
		364098.60		3093921.60	
		364121.70		3093920.90	
		364121.70		3093919.00	
		364127.70		3093918.90	
		364127.80		3093916.00	
		364130.80		3093916.10	
		364130.90		3093912.50	
		364128.70		3093912.30	
		364128.60		3093909.40	
		364121.50		3093909.40	
		364121.50		3093901.70	
		364118.00		3093901.80	
		364118.00		3093899.60	
		364111.80		3093899.70	
		364111.60		3093897.80	
		364099.90		3093898.00	
		364099.70		3093897.00	
		364044.40		3093897.80	
		364044.30		3093903.10	
		364039.80		3093903.20	
		364039.90		3093920.80	
		364044.40		3093920.80	
'MAIN6'	1		10.40		
	6	13.20			
		364165.60		3093798.60	
		364154.00		3093795.40	
		364173.30		3093736.50	
		364178.90		3093738.60	
		364176.50		3093744.70	
		364181.50		3093746.50	
161					
'E13'		8.69	20.90	364186.00	3093819.20
'Plastics Bin'					
'E14'		8.68	20.90	364192.00	3093821.00
'Plastics Bin'					

'E15'	8.59	10.70	364194.90	3093833.10
'Soda Ash Silo'				
'E8'	8.92	39.62	364175.90	3093758.00
'Rmpc Scrubber'				
'E3'	8.59	27.20	364080.80	3093769.10
'Kettle Combustion Exhaust'				
'E2'	8.62	16.50	364058.10	3093753.40
'Kettle Combustion Exhaust'				
'E1'	8.42	16.70	364053.40	3093768.50
'Kettle Combustion Exhaust'				
'E4'	8.38	39.60	364057.20	3093807.00
'Process Gases Stack'				
'E18'	8.12	2.80	364029.90	3093858.40
'Propane Tank'				
'E6'	8.34	39.60	364092.00	3093823.40
'Hygiene Stack'				
'E7'	8.55	39.62	364134.30	3093818.80
'Torit'				
'E16'	9.14	20.90	364215.00	3093739.50
'Plastics Bin'				
'E17'	9.14	20.90	364224.60	3093742.40
'Plastics Bin'				
'E9'	9.05	12.19	364180.80	3093741.70
'Soda Ash Silo'				
'E10'	9.08	21.30	364182.60	3093735.80
'Soda Ash Silo'				
'E12'	9.05	3.40	364178.90	3093737.30
'Geneartor Exhaust'				
'E11'	9.08	6.20	364184.10	3093740.00
'Soda Ash Slurry Exhaust'				
'NEW_PL1'	10.97	27.43	364227.35	3093784.81
'Location 1'				
'1_1'	17.92	3.05	364300.00	3098100.00
'1_2'	20.10	3.05	364000.00	3098100.00
'1_3'	20.10	3.05	364000.00	3098100.00
'1_4'	20.10	9.14	364000.00	3098100.00
'1_5'	20.10	3.05	364000.00	3098100.00
'1_6'	20.10	3.05	364000.00	3098100.00
'2_1'	0.00	149.35	361720.00	3074980.00
'2_2'	0.30	54.56	361900.00	3075000.00
'2_3'	0.30	54.56	361900.00	3075000.00
'2_4'	0.30	54.56	361900.00	3075000.00
'2_5'	0.30	18.29	361900.00	3075000.00
'2_6'	0.30	18.29	361900.00	3075000.00
'2_7'	2.13	31.09	363150.00	3074910.00
'2_8'	2.13	34.44	363150.00	3074910.00
'2_11'	2.13	30.78	363150.00	3074910.00
'2_12'	2.13	30.78	363150.00	3074910.00
'2_13'	2.13	42.37	363150.00	3074910.00
'2_14'	2.13	0.91	363150.00	3074910.00
'2_15'	2.13	34.44	363150.00	3074910.00
'2_16'	2.13	3.05	363150.00	3074910.00
'2_17'	2.13	3.05	363150.00	3074910.00
'2_18'	2.13	3.05	363150.00	3074910.00

'2_19'	2.13	0.91	363150.00	3074910.00
'2_23'	2.13	0.91	363150.00	3074910.00
'2_24'	2.13	0.91	363150.00	3074910.00
'2_25'	2.13	9.14	363150.00	3074910.00
'2_26'	2.13	4.57	363150.00	3074910.00
'2_27'	2.13	0.91	363150.00	3074910.00
'2_30'	0.14	149.35	361820.00	3075040.00
'2_31'	0.00	149.35	361716.00	3075060.00
'2_32'	0.00	149.35	361820.00	3075060.00
'3_1'	39.62	76.20	409300.00	3106300.00
'3_2'	41.71	10.67	409200.00	3106400.00
'3_3'	39.62	45.72	409200.00	3106200.00
'3_4'	39.62	47.85	409200.00	3106200.00
'3_5'	42.59	25.91	409000.00	3106800.00
'3_6'	41.08	6.10	409100.00	3106300.00
'3_7'	41.74	2.13	408790.00	3106860.00
'3_8'	41.74	3.05	408790.00	3106860.00
'3_9'	41.74	2.44	408790.00	3106860.00
'3_11'	41.74	6.10	408790.00	3106860.00
'3_12'	41.74	2.13	408790.00	3106860.00
'3_18'	41.74	2.13	408790.00	3106860.00
'3_19'	39.62	6.10	409020.00	3106020.00
'5_2'	0.30	16.76	360200.00	3088900.00
'5_3'	0.30	21.34	360200.00	3088900.00
'5_4'	0.30	4.27	360200.00	3088900.00
'5_5'	0.30	3.35	360200.00	3088900.00
'5_6'	0.30	3.35	360200.00	3088900.00
'5_7'	0.30	3.35	360200.00	3088900.00
'5_8'	0.30	4.57	360200.00	3088900.00
'5_9'	0.30	4.57	360200.00	3088900.00
'5_10'	0.30	4.57	360200.00	3088900.00
'5_11'	0.30	4.57	360200.00	3088900.00
'6_2'	0.00	45.72	360010.00	3087490.00
'6_3'	0.00	45.72	360010.00	3087490.00
'6_4'	0.00	45.72	360010.00	3087490.00
'6_5'	0.00	45.72	360010.00	3087490.00
'6_6'	0.00	45.72	360010.00	3087490.00
'6_7'	0.00	45.72	360010.00	3087490.00
'6_8'	0.00	45.72	360010.00	3087490.00
'6_9'	0.00	18.29	360000.00	3087500.00
'6_10'	0.00	18.29	360000.00	3087500.00
'6_11'	0.00	18.29	360000.00	3087500.00
'6_12'	0.00	18.29	360000.00	3087500.00
'6_13'	0.00	18.29	360000.00	3087500.00
'6_14'	0.00	18.29	360000.00	3087500.00
'6_15'	0.00	18.29	360000.00	3087500.00
'6_16'	0.00	18.29	360000.00	3087500.00
'6_17'	0.00	4.57	360000.00	3087500.00
'8_2'	5.16	12.19	364700.00	3092600.00
'8_3'	5.16	13.72	364700.00	3092600.00
'8_4'	5.16	21.34	364700.00	3092600.00
'8_5'	5.16	21.34	364700.00	3092600.00
'9_1'	4.32	4.57	363200.00	3093300.00
'10_2'	4.50	3.05	361885.00	3093420.00

'12_1'	6.21	7.62	364700.00	3093600.00
'12_2'	6.21	15.24	364700.00	3093600.00
'12_3'	6.21	15.24	364700.00	3093600.00
'14_1'	3.91	5.00	360090.00	3093220.00
'15_1'	8.93	6.10	366400.00	3093200.00
'16_1'	5.18	10.67	364380.00	3093180.00
'17_1'	0.36	30.48	358000.00	3090000.00
'17_2'	1.22	29.87	357890.00	3090700.00
'17_3'	1.22	29.87	357890.00	3090700.00
'17_4'	1.22	27.43	357890.00	3090700.00
'17_5'	1.22	6.10	357890.00	3090700.00
'17_6'	1.22	0.91	357890.00	3090700.00
'17_7'	1.22	0.91	357890.00	3090700.00
'17_8'	1.22	0.91	357890.00	3090700.00
'17_9'	1.22	12.19	357890.00	3090700.00
'17_10'	1.22	36.58	357890.00	3090700.00
'17_11'	1.22	3.66	357890.00	3090700.00
'17_12'	1.22	14.94	357890.00	3090700.00
'17_13'	1.22	14.94	357890.00	3090700.00
'17_15'	1.22	15.24	357890.00	3090700.00
'17_16'	1.22	3.05	357890.00	3090700.00
'17_17'	1.22	0.91	357890.00	3090700.00
'17_18'	1.22	0.91	357890.00	3090700.00
'17_19'	1.22	0.91	357890.00	3090700.00
'17_20'	1.22	11.89	357890.00	3090700.00
'17_21'	1.22	18.29	357890.00	3090700.00
'17_22'	1.22	0.91	357890.00	3090700.00
'17_23'	1.22	3.05	357890.00	3090700.00
'17_24'	1.27	31.09	357900.00	3090700.00
'17_25'	1.27	44.81	357900.00	3090700.00
'17_26'	1.27	44.81	357900.00	3090700.00
'17_27'	1.27	44.81	357900.00	3090700.00
'17_28'	1.27	25.30	357900.00	3090700.00
'17_29'	1.27	25.30	357900.00	3090700.00
'17_30'	1.27	25.30	357900.00	3090700.00
'17_31'	1.27	4.88	357900.00	3090700.00
'17_32'	1.27	25.30	357900.00	3090700.00
'17_33'	1.27	17.37	357900.00	3090700.00
'17_34'	1.27	9.14	357900.00	3090700.00
'17_35'	1.27	14.94	357900.00	3090700.00
'17_36'	1.27	22.25	357900.00	3090700.00
'17_37'	1.27	9.14	357900.00	3090700.00
'17_38'	1.38	53.04	358000.00	3090700.00
'17_39'	1.38	53.04	358000.00	3090700.00
'17_40'	1.38	18.29	358000.00	3090700.00
'17_41'	1.38	18.29	358000.00	3090700.00
'18_1'	43.00	9.14	400080.00	3100690.00
'18_2'	43.00	9.14	400080.00	3100690.00
'18_3'	43.00	9.14	400080.00	3100690.00
'18_4'	43.00	9.14	400080.00	3100690.00
'18_5'	43.00	9.14	400080.00	3100690.00
'18_6'	43.00	9.14	400080.00	3100690.00
'18_7'	43.00	9.14	400080.00	3100690.00
'18_8'	43.00	9.14	400080.00	3100690.00

'18_9'	43.00	9.14	400080.00	3100690.00
'18_10'	43.00	9.14	400080.00	3100690.00
'18_11'	43.00	9.14	400080.00	3100690.00
'18_12'	43.00	9.14	400080.00	3100690.00
'18_13'	43.00	9.14	400080.00	3100690.00
'18_14'	43.00	9.14	400080.00	3100690.00
'18_15'	43.00	9.14	400080.00	3100690.00
'18_16'	43.00	9.14	400080.00	3100690.00
'18_17'	43.00	9.14	400080.00	3100690.00
'18_18'	43.00	9.14	400080.00	3100690.00
'18_19'	43.00	9.14	400080.00	3100690.00
'18_20'	43.00	9.14	400080.00	3100690.00
'18_21'	43.00	3.66	400080.00	3100690.00

## **Appendix D AERMOD Output Files**

The modeling files have not been included in the printed version of this report due to their size. An electronic copy has been submitted with this application, and additional copies are available upon request.



ENVIRON



**Revised Modeling Results**

EnviroFocus Technologies, LLC  
Tampa, Florida

October 2012