

April 3, 2009

**RECEIVED**

APR 07 2009

**BUREAU OF AIR REGULATION**

Mr. Al Linero  
Program Administrator  
Special Projects Section  
Florida Department of Environmental Protection  
2600 Blairstone Road  
Tallahassee, Florida 32399-2400

Re: Response to Third Request for Additional Information  
Project Number: 0570057-020-AC

Dear Mr. Linero:

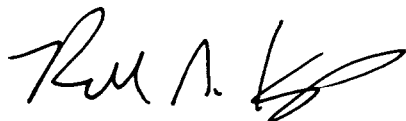
We are in receipt of your March 18, 2009 letter requesting additional information in support of the Air Construction Permit Application we submitted on August 8, 2008 for the modification of EnviroFocus Technologies, LLC's lead recycling facility in Tampa, Florida. Since receipt of that letter we have been in frequent contact with David Read and Debbie Nelson of your staff and and Diana Lee of the Hillsborough County EPC regarding specifics of the information request.

Enclosed is a compilation of the additional information requested by the Department. Accompanying this material are certification forms providing statements by both the facility Owner and a Florida Professional Engineer in support of the additional information being submitted.

We trust that with the submittal of this information in response to your March 18, 2009 request our application is complete.

We appreciate the assistance of your staff, the staff of the Hillsborough County EPC, and the staff of U.S. EPA – Region 4 in reviewing our application. Please feel to call me at 678-388-1654 with any questions or comments you may have regarding the enclosed responses.

Sincerely,



Russell S. Kemp, PE  
Principal

Enclosures

cc. Sterlin Woodard, PE, Hillsborough County EPC  
John Tapper, EnviroFocus Technologies, LLC

**APPLICATION INFORMATION**

**Owner/Authorized Representative Statement**

**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name : <b>John Tapper, Chief Operating Officer</b>
2. Owner/Authorized Representative Mailing Address... Organization/Firm: <b>EnviroFocus Technologies, LLC</b> Street Address: <b>1901 N. 66<sup>th</sup> Street</b> City: <b>Tampa</b> State: <b>Florida</b> Zip Code: <b>33619</b>
3. Owner/Authorized Representative Telephone Numbers... Telephone: <b>(651) 405 - 2203</b> ext. Fax: <b>(651) 454 - 7926</b>
4. Owner/Authorized Representative Email Address: <b>jtapper@gopherresource.com</b>
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i>   Signature  <u>4/2/09</u> Date

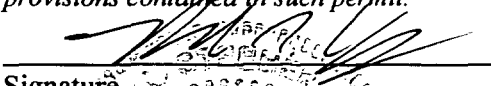
**RECEIVED**

APR 01 2009

BUREAU OF AIR REGULATION

# APPLICATION INFORMATION

## Professional Engineer Certification

1. Professional Engineer Name: <b>Russell S. Kemp, P.E.</b> Registration Number: <b>56355</b>
3. Professional Engineer Mailing Address... Organization/Firm: <b>ENVIRON International Corp.</b> Street Address: <b>1600 Parkwood Circle, Suite 310</b> City: <b>Atlanta</b> State: <b>Georgia</b> Zip Code: <b>30339</b>
3. Professional Engineer Telephone Numbers... Telephone: <b>( 678 ) 388 - 1654</b> ext. Fax: <b>( 770 ) 874 - 5011</b>
4. Professional Engineer Email Address: <b>rkemp@environcorp.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  Signature:  Date: <u>4/3/09</u> (seal)

\* Attach any exception to certification statement.

Response to Third Request for Additional Information  
Project Number: 0570057-020-AC

The following information is being submitted in response to a request for additional information from Florida Department of Environmental Protection (DEP) dated March 18, 2009. Also included are responses to questions from the Hillsborough County Environmental Protection Commission (EPC) that were attached to the letter from DEP. DEP and EPC's comments are reiterated in italics for the sake of convenience. Additional information is attached to supplement the responses, where needed.

1. SCR and SNCR Feasibility. *On page 8 of the Environ response dated February 14, 2009 it is stated that SCR and SNCR nitrogen oxides (NOX) emissions control technologies are not technically feasible at secondary lead smelters. Among the reasons for this conclusion given in both the response cited above and the original air permit application are: ammonia interference that can impact the facility wastewater treatment system; excess ammonia requirements; safety issues; and, in the case of SCR, catalyst poisoning. Please provide documentation to the Department supporting these and any other reasons cited in the air permit application and response to support this conclusion with regard to the unsuitability of utilizing SCR or SNCR for the control of NOX emissions at the expanded, modernized plant.*  
[Rules 62-4.070 and 62-212.400, F.A.C.]

Response:

The primary reason that SCR and SNCR are not technically feasible is due to the ammonia interference with wastewater treatment. As described in the previous response, regardless of whether SCR and SNCR is used, the ammonia salts captured in the baghouse, as well as the ammonia absorbed into the scrubber water, would result in a heavy ammonia load on wastewater treatment. Not only would the ammonia present difficulty with the precipitation and filtration of lead from the wastewater due to increased solubility, but ammonia wastewater discharge is specifically prohibited from all operations at lead smelters by 40 CFR 421.135 as shown in **Appendix A**.

2. Significant Impact Area (SIA) Plus Buffer. *Table 5-14 in Appendix F in the Environ response dated February 14, 2009 lists the facilities within the SIA plus buffer. The table only shows facilities for NOX and particulate matter smaller than 10 microns (PM10) and not Pb. Also, please explain how the table shows only three sources to be modeled for NOX when Table 5-16 in the same appendix has several more facilities to be modeled for NOX. Please respond with regards to particulate matter (PM) as well.*  
[Rule 62-4.070, F.A.C. Reasonable Assurance]

Response:

Lead facilities are not shown in Table 5-14, because all lead sources within 50 km of SIA were modeled. Additionally, the filter that was eliminating NOx and PM<sub>10</sub> sources within the SIA using the 20D Rule has been removed from Table 5-14, so that it agrees with Table 5-16. A copy of the revised Table 5-14 is included in **Appendix B**.

3. Rolling Averages. *With regards to the Pb modeling analysis, the EPA issued draft guidance on dispersion modeling for lead which indicates that EPA is creating a post-processing program to calculate the rolling averages (see below for link to EPA web site). Please provide details on how the three-month rolling averages were determined for this project.*  
[Rule 62-4.070, F.A.C. Reasonable Assurance]

Response to Third Request for Additional Information  
Project Number: 0570057-020-AC

Response:

Sixty model runs were set up to estimate monthly average concentrations for each receptor and each month during the five-year period of 2001 to 2005. 58 three-month rolling averages were determined for January to March of 2001, February to April of 2001 and so on, until October to December of 2005. The maximum of the 58 three-month averages was reported for the residential receptors and the two nearest lead monitors.

Additionally, we have processed the data using EPA's new post-processing tool (Leadpost) to verify the results of our analysis. All files and the results of the post-processing have been submitted electronically to Debbie Nelson.

*4. Modeling Receptor Grid. Attachment A in the response dated February 14, 2009 with regards to Pb compliance explains modeling results for the residential neighborhood and the two nearest monitors. Please provide a table with the results of the modeling analysis showing the maximum concentrations across the entire receptor grid and not only the three locations noted in attachment A. [Rule 62-4.070, F.A.C. Reasonable Assurance]*

Response:

We have revised Table 5-19 to include the highest predicted 3-month lead concentration for all modeled receptors. Please note that the receptor where the maximum concentration is predicted is located along the fence line next to the entrance to the plant site (see map in **Appendix B**). The lead concentrations at this receptor are likely overestimated by the model as they are attributable to fugitive emissions from paved surfaces that are located too close to the receptor for the model to accurately simulate. Additionally, as discussed in past meetings with FDEP and EPA, the guidance for the siting of lead monitors emphasizes the importance of monitoring the impact in residential areas, as the lead standard was established for the protection of human health and children in particular. Since the receptor next to the entrance is not representative of population exposure and is not expected to have accurately modeled lead concentrations, we have modeled the maximum concentrations at the existing monitors and in the nearest residential area. The maximum predicted concentrations at these locations are also included in Table 5-19 and on the map in **Appendix B**.

PM<sub>10</sub> Modeling Issues

*5. According to Table 15 Emission Inventory in the response dated February 14, 2009, the emission rate is 0.01 lb/hr for the slurry heaters. The actual rate modeled is 0.0038 lb/hr. Please indicate which rate is correct. [Rule 62-4.070, F.A.C. Reasonable Assurance]*

Response:

The burner ratings for the slurry heaters were incorrect in the emissions inventory submitted in February. This has been corrected and is included in **Appendix C**. The correct emission rate of 0.0038 lb/hr was modeled.

*6. Sources 18\_67, 68, 69, and 6\_2 had incomplete modeling parameters in the input file, while Source 23\_2 is missing. [Rule 62-4.070, F.A.C. Reasonable Assurance]*

Response:

The diameter of Source 18\_67 was missing in the inventory supplied by DEP, and the diameter of Sources 18\_68 and 18\_69 was listed as only 0.1 ft, which rounds to 0 m. Sources 18\_67, 68, 69 were missing flowrate and velocity information. Currently, they are modeled with zero exit

Response to Third Request for Additional Information  
Project Number: 0570057-020-AC

velocity, which should result in overestimated concentrations by excluding the momentum buoyancy.

In addition, these three sources have a total PM<sub>10</sub> emission of 0.5 lb/hr and are located 36 km away from the EFT site. Their impacts on the maximum modeling results are virtually negligible.

Source 6\_2 has complete modeling info which is copied below from the PM<sub>10</sub> modeling files:

SO LOCATION 6\_2 POINT 362390.0 3088990.0 2.43  
SO SRCPARAM 6\_2 4.300000E-01 0.9 300 377.3 0.2 (PM<sub>10</sub> 24-hr)  
SO SRCPARAM 6\_2 1.498742E-01 0.9 300 377.3 0.2 (PM<sub>10</sub> annual)

Source 23\_2 had missing modeling parameters and was assumed to be a ground level volume source with a vertical dimension of 1 m and a lateral dimension of 3 m, as explained in footnote k of Table 5-17. The modeling inputs are copied below from the PM<sub>10</sub> modeling files:

SO LOCATION 23\_2 VOLUME 364700.0 3092600.0 6  
SO SRCPARAM 23\_2 1.930000E-02 0.5 0.698 0.465

*7. The Access database and spreadsheet provided only refer to PM<sub>10</sub> on a 24-hour basis. Where were the annual PM<sub>10</sub> results addressed? [Rule 62-4.070, F.A.C. Reasonable Assurance]*

**Response:**

No complicated post-processing was performed for annual PM<sub>10</sub> modeling results, as shown in the Excel file (ModelingResults20090209 PM<sub>10</sub> annual sent.xls) submitted electronically to Debbie Nelson.

*8. The Excel spreadsheet provided shows how the increment results were determined. Please clarify column F "inc." in the Excel spreadsheet. Are these numbers from all sources (increment consumers and the facility) or just increment consumers, as the name "inc" would suggest? [Rule 62-4.070, F.A.C. Reasonable Assurance]*

**Response:**

**Response:**

The "Inc" column represents the total concentrations from all sources in the incremental modeling, including the EFT facility and other incremental modeling, including the EFT facility and other increment consumers.

*9. EPCHC is the local compliance authority and recently permitted a number of improvements at the facility. They are assisting the Department in the review of the present application and associated RAIs. Please review and address their comment given in the attached memorandum. [Rule 62-4.070, F.A.C. Reasonable Assurance]*

Below is EPC's question and EnviroFocus's response:

*EPC-1. According to EnviroFocus, as stated in Attachment A of their response, in order to meet the new lowered lead standard of 0.15 ug/m<sup>3</sup>, EnviroFocus evaluated a variety of options and proposed three changes from their original permit application submittal. These changes include reducing the allowable emissions from lead-emitting stacks to a level closer to the projected actual emissions, raising the battery breaker scrubber stack from 90 ft to 130 ft to provide better dispersion and increasing the control efficiency of the use of wet suppression on fugitive*

Response to Third Request for Additional Information  
Project Number: 0570057-020-AC

*emissions from paved surfaces. EnviroFocus is proposing lower lead emission limits on the battery breaker scrubber stack, the furnaces/process stack, refining & furnace fugitives/hygiene stack and the building enclosure/torit stack, based on results of stack testing performed on similar sources at the Gopher Resources smelter in Eagan, Minnesota. Pursuant to Rule 62-4.070(1), F.A.C., in order to provide reasonable assurance that the EnviroFocus facility in Tampa will be able to comply with the new proposed lead limits, please provide the most recent three year stack test summary information for the similar sources at the Eagan facility, which were used to propose the revised limits. In addition, please describe the type of control equipment used at these sources at the Eagan facility and the proposed control equipment at the EnviroFocus facility in Tampa, and how Eagan's control equipment compares to the Tampa's facility proposed control equipment, including but no limited to, manufacturer's information. Furthermore, please explain how EnviroFocus will control lead emissions that may be generated during the construction phase, which could consequently affect the lead NAAQS. Please include a proposed plan detailing the types of controls and actions, in addition to the sprinkler system currently used at the facility to control fugitive emissions that EnviroFocus will implement in order to minimize the lead emissions that may originate from the construction activities.*

**Response:**

The most recent three years lead testing results from the Eagan plant are included in **Appendix D**. The sources tested at the Eagan plant include the Main Stack, the Torit (cartridge collector) Stack, and the Battery Breaker Stack. The Main Stack includes the exhausts from the furnaces and dryer, as well as hygiene emissions (refining kettle process emissions and furnace fugitives captured by localized hooding). The lead emissions from these sources are all controlled by baghouses and are identical to those proposed for the Tampa facility, except that the furnace emissions in Tampa will also pass through a wet sulfur dioxide scrubber that will provide some additional reduction in lead emissions. Also, for comparison purposes please recognize that, unlike at the Eagan plant, the furnace and dryer emissions at the Tampa plant will have a separate stack from the hygiene emissions. The Torit Stack at the Eagan plant includes general building ventilation that is passed through a Torit cartridge collector before passing to the atmosphere. This will be essentially identical at the Tampa plant. Emissions from the battery breaker at the Eagan plant are controlled by a wet scrubber. The same control is planned for the Tampa plant. As shown in the Eagan lead test results, the actual emissions are below the emission limits proposed as BACT for the Tampa plant.

Regarding the control of lead emissions generated during construction, a plan addressing fugitive control measures to be taken was included in our February response as Attachment I. Please let us know if there is any additional information needed to be included in the plan.

Appendix A

**National Pretreatment Standards for  
Secondary Lead Facilities**



[Home Page](#) > [Executive Branch](#) > [Code of Federal Regulations](#) > [Electronic Code of Federal Regulations](#)

## Electronic Code of Federal Regulations

*e-CFR*<sup>TM</sup>

e-CFR Data is current as of March 23, 2009

### Title 40: Protection of Environment

PART 421—NONFERROUS METALS MANUFACTURING POINT SOURCE CATEGORY

Subpart M—Secondary Lead Subcategory

[Browse Previous](#) | [Browse Next](#)

#### § 421.135 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in secondary lead process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart M—Battery Cracking.

#### PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead scrap produced	
Antimony	1.299	.579
Arsenic	.936	.384
Lead	.189	.087
Zinc	.687	.283
Ammonia (as N)	.000	.000

(b) Subpart M—Blast, Reverberatory, or Rotary Furnace Wet Air Pollution Control.

#### PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from smelting	
Antimony	5.038	2.245
Arsenic	3.628	1.488
Lead	.731	.339
Zinc	2.662	1.096

Ammonia (as N)	.000	.000
----------------	------	------

(c) Subpart M—Kettle Wet Air Pollution Control.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from refining	
Antimony	.087	.039
Arsenic	.063	.026
Lead	.013	.006
Zinc	.046	.019
Ammonia (as N)	.000	.000

(d) Subpart M—Lead Paste Desulfurization.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead processed through desulfurization	
Antimony	.000	.000
Arsenic	.000	.000
Lead	.000	.000
Zinc	.000	.000
Ammonia (as N)	.000	.000

(e) Subpart M—Casting Contact Cooling.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead cast	
Antimony	.042	.019
Arsenic	.031	.013
Lead	.006	.003
Zinc	.022	.009
Ammonia (as N)	.000	.000

(f) Subpart M—Truck Wash.

## PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from smelting	
Antimony	.041	.018
Arsenic	.029	.012
Lead	.006	.003
Zinc	.021	.009
Ammonia (as N)	.000	.000

(g) Subpart M—Facility Washdown.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from smelting	
Antimony	.000	.000
Arsenic	.000	.000
Lead	.000	.000
Zinc	.000	.000
Ammonia (as N)	.000	.000

(h) Subpart M—Battery Case Classification.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead scrap produced	
Antimony	.000	.000
Arsenic	.000	.000
Lead	.000	.000
Zinc	.000	.000
Ammonia (as N)	.000	.000

(i) Subpart M—Employee Handwash.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead	

	produced from smelting	
Antimony	.052	.023
Arsenic	.038	.015
Lead	.008	.004
Zinc	.028	.011
Ammonia (as N)	.000	.000

(j) Subpart M—Employee Respirator Wash.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from smelting	
Antimony	.085	.038
Arsenic	.061	.025
Lead	.012	.006
Zinc	.045	.018
Ammonia (as N)	.000	.000

(k) Subpart M—Laundering of Uniforms.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of lead produced from smelting	
Antimony	.247	.110
Arsenic	.178	.073
Lead	.036	.017
Zinc	.131	.054
Ammonia (as N)	.000	.000

[Browse Previous](#) | [Browse Next](#)

For questions or comments regarding e-CFR editorial content, features, or design, email [ecfr@nara.gov](mailto:ecfr@nara.gov).

For questions concerning e-CFR programming and delivery issues, email [webteam@gpo.gov](mailto:webteam@gpo.gov).

[Section 508 / Accessibility](#)

**Appendix B**

**Revised Modeling Tables &  
Map of Modeled Lead Concentrations**

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0490015	HARDEE POWER PARTNERS LIMITED	55	241	241	8093	0	NO	NO
0490041	CF INDUSTRIES, INC.	61	0	1.4			NO	NO
0490043	VANDOLAH POWER COMPANY, LLC	66	164	164	2016	0	NO	NO
0490340	SEMINOLE ELECTRIC COOPERATIVE, INC.	55	309	309	3550		NO	NO
0490343	OLDCASTLE LAWN AND GARDEN, INC.	56	0	1.2	37		NO	NO
0570001	JOHNSON CONTROLS BATTERY GROUP, INC	9.6	70	81	2.7	3.0	NO	NO
0570003	CF INDUSTRIES, INC.	4.7	0	8.4	9.2	0	NO	NO
0570005	CF INDUSTRIES, INC., PLANT CITY PHOS	33	0	549	159	0	NO	NO
0570006	YUENGLING BREWING CO.	9.6	0	3.2	0		NO	NO
0570008	MOSAIC FERTILIZER, LLC	11	113	335	437	0	YES	YES
0570013	CEMEX, INC.	15	0	5.0			NO	NO
0570014	EASTERN ASSOCIATED TERMINALS CO., LLC	6.3	0	95			NO	NO
0570016	CITGO PETROLEUM CORPORATION	7.4			20		NO	NO
0570018	FLORIDA ROCK INDUSTRIES, INC.	7.0	4	322	0	0	YES	NO
0570021	INTERNATIONAL SHIP REPAIR & MARINE SERV.	6.2	0	147	89	0	YES	NO
0570024	KINDER MORGAN OLP "C"	6.9	2	193			YES	NO
0570025	TRADEMARK NITROGEN CORP	3.4	0	1463	68		YES	NO
0570028	NEW NGC, INC.	19	0	236	137	0	NO	NO
0570031	HOLCIM (US) INC.	8.0	8	43			NO	NO
0570032	CEMEX, INC.	4.3	0	18			NO	NO
0570033	CSX TRANSPORTATION, INC.	5.2	0	145			YES	NO
0570039	TAMPA ELECTRIC COMPANY	19	0	9204	80665	0	YES	YES
0570040	TAMPA ELECTRIC COMPANY	7.0	368	368	1416		YES	YES
0570041	FLORIDA HEALTH SCIENCES CTR, INC	8.2	0.6	1.2	15	0	NO	NO
0570047	FLORIDA ROCK INDUSTRIES INC	17	0	22			NO	NO
0570051	CF INDUSTRIES	6.4	0	13			NO	NO
0570052	FLORIDA ROCK INDUSTRIES	4.1	0	21			NO	NO
0570053	OLDCASTLE DBA PAVER SYSTEMS, LLC	9.9	0	0			NO	NO
0570055	CHEVRON U.S.A. INC.	20	0	0.1	5.8		NO	NO
0570056	GAF MATERIALS CORPORATION	6.9	0	130	0		NO	NO
0570057	ENVIROFOCUS TECHNOLOGIES, LLC	0.4	4	35	88	1.6	YES	YES
0570061	TAMPA ARMATURE WORKS	2.6	0.3	2.3	15	0	NO	NO
0570065	CEMEX CONSTRUCTION MATERIALS LP	17	0	63	0		NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0570069	INDUSTRIAL GALVANIZERS AMERICA, INC.	4.4	0	51	0		NO	NO
0570077	VERLITE COMPANY	4.0	0	8.8	3.0	0	NO	NO
0570079	CEMEX	4.7	0	1.0			NO	NO
0570080	MARATHON PETROLEUM COMPANY LLC	5.1	0	0.6	7.6		NO	NO
0570081	TRANSMONTAIGNE PRODUCT SERVICES INC.	7.7			0		NO	NO
0570082	GULF SULPHUR SERVICES LTD., LLP	7.2	0	1.0	0		NO	NO
0570083	BP PRODUCTS NORTH AMERICA INC	6.6			0		NO	NO
0570085	CENTRAL FLORIDA PIPELINE	7.8			0		NO	NO
0570087	CORESLAB STRUCTURES(TAMPA),INC.	4.6	0	1.1	0		NO	NO
0570088	HALEY, JAMES A. VETERAN'S HOSPITAL TAMPA	11	0	0	0		NO	NO
0570089	ST. JOSEPH'S HOSPITAL	11	0.4	3.8	81	0.1	NO	NO
0570090	MASTER - HALCO, INC.	4.2	15	14	0		NO	NO
0570092	KINDER MORGAN PORT SUTTON TERMINAL, LLC	7.0	28	77			NO	NO
0570094	MOSAIC FERTILIZER, LLC	18	0	32			NO	NO
0570097	OLDCASTLE RETAIL, INC. D/B/A BONSAI AMER	4.3	0	30	6.6	0	NO	NO
0570100	GULF SULPHUR SERVICES LTD., LLP	7.6	0	6.0	0		NO	NO
0570103	CARGILL, INC. - GRAIN DIVISION	5.0	0	48			NO	NO
0570119	GULF COAST METALS, INC.	0.6	0	3.2	6.7		YES	YES
0570121	CEMEX	19	0	31			NO	NO
0570124	RINKER MATERIALS CORPORATION	29	0	1.0			NO	NO
0570127	CITY OF TAMPA	4.2	0	52	679	0.8	NO	YES
0570136	VERLITE CO	4.4	0	30	0		NO	NO
0570141	US AIR FORCE (MACDILL AFB)	16	1.5	3	11	0	NO	NO
0570150	CARMEUSE LIME & STONE, INC.	9.2	0	8			NO	NO
0570160	BALL METAL BEVERAGE CONTAINER CORP.	9.6	0	0.9	0	0	NO	NO
0570163	GRIFFIN INDUSTRIES	2.6	0	0.0	0		NO	NO
0570171	SPEEDLING, INC.	33	0	0.8	7.9	0	NO	NO
0570180	FECP/CAST CRETE DIVISION	9.5	0	6			NO	NO
0570185	PREFERRED MATERIALS, INC.	4.3	0	15			NO	NO
0570220	HYDRO CONDUIT DIVISION OF RINKER	27	0	14			NO	NO
0570223	APAC-SOUTHEAST, INC CENTRAL FLORIDA DIV.	4.3	2.1	17	67	0	NO	NO
0570224	HARSCO CORPORATION	8.6	0	54	7.8	0	NO	NO
0570226	BRENNTAG MID-SOUTH, INC.	4.0	2.1	2.1			NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions *	Screening Total PM Emissions *	Screening Total NO <sub>x</sub> Emissions *	Screening Total Pb Emissions *	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0570229	GENERAL CHEMICAL LLC	4.5	0	22			NO	NO
0570230	FLORIDA BRICK & CLAY CO	21	0	3.2			NO	NO
0570237	STANDARD CONCRETE	20	0	7.7			NO	NO
0570238	PREFERRED MATERIALS, INC., TAMPA KEYS	1.1	0	6.5			YES	NO
0570240	CEMEX	3.1	0	3.8			NO	NO
0570241	PREFERRED MATERIALS, INC., RIVERVIEW	9.5	0	3.0			NO	NO
0570247	CEMEX, INC.	9.9	0	0			NO	NO
0570249	GOLDEN ALUMINUM EXTRUSION - PLANT CITY,	22	0	13	39	0	NO	NO
0570251	CONAGRA FOODS, INC.	7.2	0	95			NO	NO
0570254	VERTIS, INC.	16	0	0	0	0	NO	NO
0570255	LEHIGH CEMENT COMPANY	7.8	0	3.8			NO	NO
0570259	CEMEX	4.8	0	4.0			NO	NO
0570260	TIN, INC. D/B/A TEMPLE-INLAND	3.8	0	5.7			NO	NO
0570261	HILLSBOROUGH CTY. RESOURCE RECOVERY FAC.	5.4	0	169	768	0.9	YES	YES
0570262	CHROMALLOY CASTINGS TAMPA, CORPORATION	16	0	81	0	0	NO	NO
0570276	TARMAC AMERICA LLC	18	0	7.0			NO	NO
0570279	FLORIDA ROCK INDUSTRIES, INC.	9.0	0	22			NO	NO
0570280	CEMEX	3.2	0	2.0			NO	NO
0570281	TARMAC AMERICA LLC	28	0	3.9			NO	NO
0570286	TAMPA BAY SHIPBUILDING & REPAIR COMPANY	7.8	0	158	188	0	YES	YES
0570289	MEDIA GENERAL OPERATIONS, INC.	8.1	0	2.6			NO	NO
0570290	E.A. MARIANI ASPHALT CO.	6.2	0	3.9	0		NO	NO
0570293	CORY PACKAGING, INC DBA MASTER PACKAGING	12	0	0	0	0	NO	NO
0570296	US FILTER RECOVERY SERVICES, INC.	25	0	2.2	22	0	NO	NO
0570297	DAVIS CONCRETE INC.	17	0	8.8			NO	NO
0570298	TAMPA BULK SERVICES INC.	20	0	45			NO	NO
0570299	MASONITE CORPORATION	2.4	0	67			YES	NO
0570318	CEMEX, INC.	26	0	0.8			NO	NO
0570320	DART CONTAINER CORPORATION OF FLORIDA	21	0	1.4	24	0	NO	NO
0570321	MANTUA MANUFACTURING CO.	1.5	0	0.9	13		YES	YES
0570324	TAMPA STEEL ERECTING COMPANY	5.1	0	30	0	0	NO	NO
0570340	HERITAGE PLASTICS SOUTH	15	0	7.7			NO	NO
0570342	ZIPPERER'S AGAPE MORTUARY SERVICE	29	0	0	0		NO	NO



**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0570344	TAMPA TANK, INC.	6.1	0	44			NO	NO
0570364	MANNA PRO CORPORATION	1.4	23	21			YES	NO
0570370	PARADISE, INC.	25	0	0.2	3		NO	NO
0570373	CITY OF TAMPA-WASTEWATER DEPT.	4.4	5.5	63	91	0	NO	YES
0570374	SOUTHERN GROUTS & MORTARS	22	0	5.1			NO	NO
0570377	KINDER MORGAN BULK TERMINAL, INC	7.8	0	98			NO	NO
0570388	WARREN EQUIPMENT, INC.	29	0	1.6			NO	NO
0570401	FLORIDA MEGA-MIX, INC.	0.6	0	7.7			YES	NO
0570405	WINGFOOT COMMERCIAL TIRE SYSTEMS, LLC	2.4	0	10			NO	NO
0570412	VULCANICA COMPANY	8.6	0	0	0		NO	NO
0570415	NEBRASKA PRINTING COMPANY INC.	13	0	0	0		NO	NO
0570431	FLORIDA MORTUARY	6.0	0	0	0		NO	NO
0570437	NEWSPAPER PRINTING COMPANY, INC.	16	0	0	0		NO	NO
0570438	FLORIDA GAS TRANSMISSION COMPANY	31	0	2.3	46		NO	NO
0570442	GULF MARINE REPAIR CORPORATION	4.3	0	103	127	0	YES	YES
0570446	TRADEMARK METALS RECYCLING, LLC	7.7	0	681			YES	NO
0570455	PASCO TERMINALS, INC.	8.5	0	4.8	3.7	0	NO	NO
0570459	BAUSCH & LOMB INCORPORATED	12	0	0.6	18	0	NO	NO
0570460	JAMES HARDIE BUILDING PRODUCTS, INC.	23	0	33	62	0	NO	NO
0570461	BLACKLIDGE EMULSIONS INCORPORATED	4.6	0	4.2	4.1		NO	NO
0570466	TRANSFLO TERMINAL SERVICES, INC. (TTSI)	4.1	0	15			NO	NO
0570474	T-R DRUM & FREIGHT CO.	32	1.0	3.4	0.2		NO	NO
0570477	MARTIN GAS SALES, INC.	8.7	2.3	2.6			NO	NO
0570480	UNIVERSITY OF SOUTH FLORIDA (USF)	11	0	0	0	0	NO	NO
0570854	HILLSBOROUGH COUNTY SOLID WASTE MGT DEPT	29	0	0	0		NO	NO
0571016	CUSTOM FABRICATION, INC.	29	0	5.5			NO	NO
0571021	DUNCO ROCK & GRAVEL INC	23	4.6	4.6			NO	NO
0571029	WEYERHAEUSER COMPANY	27	0	3.5	4.6		NO	NO
0571130	BRANDON REGIONAL MEDICAL CENTER	11	0	0	0		NO	NO
0571147	SMITHFIELD PACKING COMPANY, INC.	26	0	4.2	60		NO	NO
0571151	WEYERHAEUSER COMPANY	4.6	0	9.3	13	0	NO	NO
0571160	EXPORT METALS, LLC	7.8		0			NO	NO
0571173	FLORIDA CEMETERIES	11		0			NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0571205	STOROPACK, INC.	1.0	0	0	0		NO	NO
0571209	APAC-SOUTHEAST, INC CENTRAL FLORIDA DIV.	7.2	0	38	0		NO	NO
0571214	MARTIN MARIETTA MATERIALS, INC.	8.5		81			NO	NO
0571217	SEA 3 OF FLORIDA, INC.	7.8	0	5.0	51		NO	NO
0571227	MASONITE CORPORATION	2.5	0	0			NO	NO
0571240	CARGILL INC.- SALT DIVISION	5.6	0	64	0		NO	NO
0571242	NEW NGC, INC., D/B/A NATIONAL GYPSUM COM	18	0	88	96	0	NO	NO
0571255	HYNICK TRUCKING INC.	0.9	0	0			NO	NO
0571258	HANSON PIPE & PRECAST, INC.	17	0	4.5			NO	NO
0571263	COMMERCIAL CONCRETE PRODUCTS, INC.	32	3.6	3.6			NO	NO
0571268	QWEST COMMUNICATIONS INTERNATIONAL INC.	3.7	0	0	0	0	NO	NO
0571269	H. LEE MOFFITT CANCER CENTER	12	0	0	0	0	NO	NO
0571274	MARIGOLD LAND COMPANY	7.3	0	91			NO	NO
0571279	FLORIDA GAS TRANSMISSION COMPANY	12	0	3.5	50		NO	NO
0571286	AMC INDUSTRIES	8.3	0	23			NO	NO
0571289	TRADEMARK METALS RECYCLING LLC	7.5		0			NO	NO
0571290	TARMAC AMERICA, LLC (TITAN AMERICA BUS.)	7.3	53	55	500	0	NO	YES
0571294	KUEI TYAN LLC/PREMIUM PROCESSORS, INC.	5.1		3.0			NO	NO
0571298	MODTECH HOLDINGS, INC.	23		5.7			NO	NO
0571301	L.V. THOMPSON, INC. (TAMCO)	3.0	0	0	0		NO	NO
0571303	TARMAC	25	0	0			NO	NO
0571307	CEMEX CONSTRUCTION MATERIAL L.P.	7.8	0	99	23	0	NO	NO
0571312	HENDRY CORPORATION	6.7	0	5.1	0		NO	NO
0571314	GAETANO CACCIATORE, INC.	7.6	0	57			NO	NO
0571316	FLORIDA ENVIRONMENTAL RESOURCES CORP	3.3	0	20	80		NO	YES
0571317	FLORIDA BLOCK & READY MIX LAND CO. LLC	5.4	0	0			NO	NO
0571320	HILLSBOROUGH COUNTY WATER DEPARTMENT	25		18	18		NO	NO
0571321	PORT SUTTON ENVIROFUELS, LLC	7.1	68	68	98	0	NO	NO
0571323	FARKAS LAND CLEARING & DEVELOPMENT	21	0	44	67		NO	NO
0571325	GARDEN OF MEMORIES, INC.	10		0			NO	NO
0571326	SEPARATION TECHNOLOGIES, LLC	19		15	52		NO	NO
0571328	MISENER MARINE CONSTRUCTION, INC.	18	0	24	0		NO	NO
0571334	RINKER MATERIALS	27		0			NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NO <sub>x</sub> Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
0571337	TAMPA PAVEMENT CONSTRUCTORS, INC	3.8		52			NO	NO
0571339	TRINITY MATERIALS, LLC	7.2	0	240	115	0	YES	NO
0571341	YBOR FUNERAL AND CREAMTION CENTER	3.4		3.7			NO	NO
0571342	BLACKLIDGE EMULSIONS, INC.	6.5	0	1.0	0		NO	NO
0571347	DOUBLE BRANCH LUMBER COMPANY	26	0	19			NO	NO
0571348	D.H. GRIFFIN WRECKING CO., INC.	52	0	0	0		NO	NO
0571349	GEORGE BERNICO/PALLET SERVICES, INC	21	0	14	21		NO	NO
0810001	COASTAL TERMINALS LLC	40	7.1	7.1	40	0	NO	NO
0810004	KINDER MORGAN PORT MANATEE TERMINAL, LLC	40	0	12			NO	NO
0810010	FLORIDA POWER & LIGHT (PMT)	40	228	15383	24588	0	YES	YES
0810011	FLORIDA CEMENT (FL ROCK INDUSTRIES, INC)	40	5.0	77		0	NO	NO
0810024	FLORIDA POWER & LIGHT COMPANY	40	4.3	5.1	28	0	NO	NO
0810045	MANATEE COUNTY GOVERNMENT - ANIMAL SERV	51		0.6	2.9		NO	NO
0810053	EASTERN CEMENT CORP	40	11	11			NO	NO
0810059	TARMAC AMERICA LLC	50	0	1.0			NO	NO
0810063	AJAX PAVING INDUSTRIES, INC.	41	0	17	0	0	NO	NO
0810067	ATLAS-TRANSOIL INTERNATIONAL, INC.	39	0	21	0		NO	NO
0810089	KINDER MORGAN BULK TERMINALS, INC.	40	0	4.5			NO	NO
0810183	ILLINOIS TOOL WORKS	42	0	2.3			NO	NO
0810213	UNITED STATES ENVIROFUELS, LLC	40	0	0	0	0	NO	NO
0810215	GULFSTREAM NATURAL GAS SYSTEM LLC	40	7.3	0	73		NO	NO
1010002	VITALITY FOODSERVICE INC	49	50	50	1.2		NO	NO
1010005	FLORIDA ROCK INDUSTRIES, INC.	53	0	0			NO	NO
1010017	FLORIDA POWER CORPDBAPROGRESS ENERGY FL	47	0.9	8894	0	0	YES	NO
1010018	CEMEX CONSTRUCTION MATERIALS, L.P.	43	0	0.2			NO	NO
1010027	AJAX PAVING INDUSTRIES, INC.	33	0	20	0		NO	NO
1010035	CEMEX, INC.	41	0	0.3			NO	NO
1010036	CEMEX CONSTRUCTION MATERIALS, L.P.	41	0	0.3			NO	NO
1010038	B.E.T.-ER MIX, INC.	54	0	0.3			NO	NO
1010041	APAC- SOUTHEAST, INC., CENTRAL FL. DIV	35	0	15	0		NO	NO
1010042	SCI FUNERAL SERVICES OF FLORIDA INC	52	0	1.7	5.2		NO	NO
1010045	HODGES FAMILY FUNERAL HOME.	45		0.3	4.4		NO	NO
1010056	PASCO COUNTY	48	0	214	2015	1.9	NO	YES

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NO <sub>x</sub> Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
1010071	PASCO COGEN LIMITED	49	0	22	405	0	NO	NO
1010075	OLDCASTLE COASTAL CONCRETE PRODUCTS	35	0	0.3			NO	NO
1010076	CENTRAL STATE AGGREGATES LLC	36	1	6.0			NO	NO
1010326	PREFERRED MATERIALS INC	33	0	0.1			NO	NO
1010327	COASTAL LANDFILL DISPOSAL OF FL, LLC	54	0	49	0		NO	NO
1010335	PALL AEROPOWER CORP	43	0	0			NO	NO
1010349	THOMAS B. DOBIES FUNERAL HOME, INC.	50	0	0.2	0		NO	NO
1010360	M K G CARE INC	42	0	0.2	0		NO	NO
1010365	TRINITY MEMORIAL CEMETARY INC	34	0	1.4	0		NO	NO
1010373	SHADY HILLS POWER COMPANY, L.L.C.	48	123	123	1512	0	NO	YES
1010378	PAW MATERIALS, INC.	32	0	41	45		NO	NO
1010492	HODGES FAMILY FUNERAL HOME INC./PET CREM	36	0	2.0	3.3		NO	NO
1010496	SURECRETE DESIGN PRODUCTS	50	0	0			NO	NO
1010498	VIKING POOLS, LLC	39	6.0	6.0			NO	NO
1030008	FLORIDA ROCK INDUSTRIES, INC.	39	0	21			NO	NO
1030011	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	23	603	4923	17842	0	YES	YES
1030012	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	28	0	373	5064	0	NO	YES
1030013	FLORIDA POWER CORPDBAPROGRESS ENERGY FLA	34	0	283	3838	0	NO	YES
1030017	CEMETERY MANAGEMENT, INC	34	0	1.4	4.6		NO	NO
1030018	PINELLAS COUNTY ANIMAL SERVICES	43	0	0.1	3.1		NO	NO
1030019	HONEYWELL INTERNATIONAL	35	0	0			NO	NO
1030020	SPCA TAMPA BAY	39	0	2.5	0.2		NO	NO
1030026	R.E. PURCELL CONSTRUCTION CO., INC.	38	0.4	21	39		NO	NO
1030032	CEMEX, INC.	36	0	33			NO	NO
1030035	DIRECTORS SERVICES INC	33	0	3.3	1.1		NO	NO
1030036	CEMEX CONSTRUCTION MATERIALS LP	38	0	33			NO	NO
1030037	CEMEX CONSTRUCTION MATERIALS, L.P.	28	0	0.9	0		NO	NO
1030044	SUNCOAST PAVING, INC.	45	13	13	27	0	NO	NO
1030045	CEMEX CONSTRUCTION MATERIALS, L.P.	39	0	13	0		NO	NO
1030047	SCI FUNERAL SERVICES OF FLORIDA INC	35		0.7	9.1		NO	NO
1030060	CITY OF LARGO - WWTP	32	0	49	6.2	0	NO	NO
1030063	FLORIDA ROCK INDUSTRIES, INC.	44	0	0.5			NO	NO
1030077	TIMES PUBLISHING CO.	35	3.5	7.6			NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
1030078	FLORIDA ROCK INDUSTRIES, INC.	30	0	0.9	0		NO	NO
1030085	FLORIDA ROCK INDUSTRIES, INC.	37	0	36			NO	NO
1030088	HERCULES OF FLORIDA, INC.	37	0	0			NO	NO
1030091	MORTON PLANT MEASE HEALTH CARE	41	2.1	2.1	80		NO	NO
1030095	BAYFRONT-ST. ANTHONY'S HEALTH CARE	34	2.8	1.3	18	0	NO	NO
1030096	CURLEW HILLS MEMORY GARDENS INC	38		0.1			NO	NO
1030107	CITY OF ST. PETERSBURG	34	0	0.4			NO	NO
1030112	CATALENT PHARMA SOLUTIONS, LLC	30	0	0	0		NO	NO
1030113	DAVIS CONCRETE, INC.	40	0	0.3	0		NO	NO
1030114	MI METALS, INC./METAL INDUSTRIES, INC.	29	0	18	8.3		NO	NO
1030117	PINELLAS CO. BOARD OF CO. COMMISSIONERS	30	189	337	2801	3.0	NO	YES
1030118	SCHNELLER LLC	33	0		0		NO	NO
1030119	FILM TECHNOLOGIES INT, INC	36	0	0	0		NO	NO
1030124	HETRO CORPORATION	32	0	0			NO	NO
1030127	METAL CULVERTS, INC.	35	0.1	0.1	1.3		NO	NO
1030129	PINELLAS MEMORIAL PET CEMETERY	36	0	1.3	0.9		NO	NO
1030131	E JAMES REESE FUNERAL HOME	42	0	0	0		NO	NO
1030132	ONESOURCE COIL COATERS, LLC.	32	0	3.5	9.2		NO	NO
1030136	PET ANGEL WORLD SERVICES (FLORIDA) LLC	36		0.7	2.9		NO	NO
1030139	PREFERRED MATERIALS INC	31	0	0			NO	NO
1030147	SONNY GLASBRENNER, INC.	31	3.2	47	43		NO	NO
1030153	HOWCO ENVIRONMENTAL SERVICES, INC.	38	0	0	0	0	NO	NO
1030165	JACOBSEN MANUFACTURING, INC.	31	0	0	0		NO	NO
1030166	IRWIN YACHT & MARINE CORP.	32	0	0	0		NO	NO
1030172	WATKINS YACHT, INC.	32	0	0	0		NO	NO
1030175	GAGNE WALLCOVERINGS	36	0	0	0		NO	NO
1030180	INTERPRINT, INC.	30	0		0	0	NO	NO
1030183	PATRICK MEDIA GROUP, INC.	33	0	0			NO	NO
1030209	TRANSITIONS OPTICAL, INC.	37	0	5.8			NO	NO
1030214	LIFE-LIKE ACQUISITIONS, INC.	40	0.8		8.6		NO	NO
1030216	CARPENTER TECHNOLOGY CORPORATION	32	15	15			NO	NO
1030217	ETERNAL REST FUNERAL/SUNCOAST CREM, INC.	37	0	2.0	1.7		NO	NO
1030218	M C GRAPHICS, INC., DBA, SANDY ALEXANDER	29	0	0	0		NO	NO

**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
1030223	CATALINA YACHTS, MORGAN DIVISION	37	0	6.1			NO	NO
1030227	CITY OF CLEARWATER	32	0	0	0		NO	NO
1030228	CITY OF CLEARWATER	40	0	0	0		NO	NO
1030229	CITY OF CLEARWATER	33	0	0	0		NO	NO
1030230	CITY OF DUNEDIN	38	0	0	0		NO	NO
1030231	CITY OF LARGO	32	0	0	0		NO	NO
1030232	PINELLAS COUNTY GOVERNMENT	46	0	0	0		NO	NO
1030233	PINELLAS COUNTY GOVERNMENT	42	0	0	0		NO	NO
1030234	PINELLAS COUNTY GOVERNMENT	39	0	23	6.4	0	NO	NO
1030235	CITY OF ST. PETERSBURG	33	0	0	0		NO	NO
1030236	CITY OF ST. PETERSBURG	28	0	0	0		NO	NO
1030237	CITY OF ST. PETERSBURG	40	0	0	0		NO	NO
1030238	CITY OF ST. PETERSBURG	41	0	0	0		NO	NO
1030239	KARDOL INC.	34	0	0			NO	NO
1030240	COX TARGET MEDIA, INC.	38	0	0	0		NO	NO
1030248	NEW YORK DRY CLEANERS & TAILORS	42	0	0	0		NO	NO
1030250	NTU ELECTRONICS, INC.	37				0.06	NO	NO
1030280	HOME BUILDING MATERIALS, INC.	34	0	0			NO	NO
1030282	ANDERSON-MCQUEEN COMPANY	40	0	2.5	2.3		NO	NO
1030288	BAY LINEN, INC.	32	0	0.6	14		NO	NO
1030443	LORAD CHEMICAL CORPORATION	34			2.4		NO	NO
1030473	LIGHTHOUSE FUNERAL SERVICES, LLC	31		3.0	2.2		NO	NO
1030480	DUCKWORTH STEEL BOATS, INC.	43	0				NO	NO
1030488	AAA PRINTING INC	36			0		NO	NO
1030501	ITW FIBRE GLASS-EVERCOAT	34	49	85			NO	NO
1030509	COX TARGET MEDIA, INC	30			9.8		NO	NO
1030510	MARSHFIELD DOORSYSTEMS, INC.	36	0	3.0			NO	NO
1030512	VETERANS FUNERAL CARE	32		2.2	0.7		NO	NO
1030516	RICHARD E. SORENSEN FUNERAL HOME INC.	33		1.9	1.9		NO	NO
1030518	LANTMANNEN UNIBAKE USA, INC.	35		0			NO	NO
1030527	GULFSTREAM NATURAL GAS, L.L.C.	24	0	0	0		NO	NO
1050003	LAKELAND ELECTRIC	46	510	1022	4069	0	YES	YES
1050004	LAKELAND ELECTRIC	47	2779	5810	28375	0	YES	YES

**Table 5-14  
Summary of Facilities Within 50 km of Significant Impact Area  
EnviroFocus Technologies, LLC  
Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
1050015	US BEVERAGE PACKING LAKE LAND PLANT	36	0	1.1	21	0	NO	NO
1050021	ASHLAND INC.	48	0.6	0.6	4.8		NO	NO
1050034	MOSAIC FERTILIZER LLC	39	0	0.9	0	0	NO	NO
1050046	MOSAIC FERTILIZER, LLC	46	272	377	276	0	NO	NO
1050047	AGRIFOS MINING, L.L.C.	35	0	557	311		NO	NO
1050053	MOSAIC FERTILIZER, LLC	47	99	461	143		NO	NO
1050055	MOSAIC FERTILIZER LLC	48	0.3	770	209	0	NO	NO
1050059	MOSAIC FERTILIZER LLC	36	107	1224	550		YES	NO
1050066	K.C. INDUSTRIES, L.L.C. (PREV KAISER)	38	0	16			NO	NO
1050073	RINKER MATERIALS OF FLORIDA INC	48	0	38			NO	NO
1050081	THE QUIKRETE COMPANIES, INC.	48	0.3	11	0		NO	NO
1050095	LAKELAND REGIONAL MEDICAL CENTER	44	0	2.0	27	0	NO	NO
1050097	ARRMAZ CUSTOM CHEMICALS	45	0	1.9	1.6	0	NO	NO
1050099	AOC, L.L.C.	40	36	38	46		NO	NO
1050100	HEXION SPECIALTY CHEMICALS, INCORPORATED	47	0	0.9	17	0	NO	NO
1050114	CEMEX CONSTRUCTION MATERIALS, L.P.	35	0	0.4			NO	NO
1050125	CHEMICAL LIME CO. OF ALABAMA, INC.	35	4.8	94	22		NO	NO
1050127	JUICE BOWL PRODUCTS	46	0	0.8	109		NO	NO
1050134	HEATH FUNERAL CHAPEL, INC.	45	0	0.1	0.6		NO	NO
1050139	SCHWARZ PARTNERS	38	0	12	0		NO	NO
1050143	CITY OF LAKE LAND	41	0	3.0			NO	NO
1050148	FLANDERS ELECTRIC MOTOR SERVICE, INC	47	0	0.3	1.3		NO	NO
1050151	CENTRAL FLORIDA HOT MIX, A DIV. OF LANE	49	7.9	21	27		NO	NO
1050157	PURINA MILLS, LLC.	38	28	41			NO	NO
1050169	METALCOAT INC OF FLORIDA	41	0	0.3	2.5	0	NO	NO
1050174	PEPPERIDGE FARM, INC	41	0	1.0	35		NO	NO
1050177	PUBLIX SUPER MARKETS	37	0	6.9			NO	NO
1050192	CARPENTER CO., INSULATION DIVISION	33	0	0	0		NO	NO
1050197	CEMEX CONSTRUCTION MATERIALS, L.P.	39	0	0			NO	NO
1050210	AMERICOAT CORPORATION	47			0		NO	NO
1050215	WOOD MULCH PRODUCTS, INC.	50	0	23	26		NO	NO
1050217	POLK POWER PARTNERS, L.P.	51	0	0	880		NO	NO
1050226	POP'S PAINTING, INC.	35	0	1.3			NO	NO

Table 5-14  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NOx Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
1050227	CENTRAL FLORIDA CREMATORY OF POLK CO.	44	0	1.7	0		NO	NO
1050230	KEY AUTOMOTIVE OF FLORIDA, INC.	34	0	19			NO	NO
1050233	TAMPA ELECTRIC COMPANY	47	307	325	3487	0.2	NO	YES
1050254	CTL DISTRIBUTION, INC.	45	0	11			NO	NO
1050283	HENRY COMPANY	49	0	9.5			NO	NO
1050294	CITY OF LAKELAND	47		0			NO	NO
1050312	MASTER CONTAINERS, INC.	41	0	1.5	16	0	NO	NO
1050314	SUPERMAG, LLC	48	0.1	0.6			NO	NO
1050316	MCGEE TIRE STORES, INC.	50	0	9.3			NO	NO
1050319	CLARK ENVIRONMENTAL INC	39	0	30	99		NO	NO
1050320	KEYMARK CORP OF FLORIDA	40		1.7	17		NO	NO
1050324	WASTEQUIP MANUFACTURING CO	47	0	0			NO	NO
1050325	SOUTHERN BAKERIES, INC.	41		81	0		NO	NO
1050330	FORT MEADE FOREST PRODUCTS	47	10	21	9.7		NO	NO
1050341	TURNER COATINGS INC.	39	20	21	11		NO	NO
1050352	LAKELAND ELECTRIC	37	340		750		NO	YES
1050354	LEW HALL AND ASSOCIATES	43		0.5	1.2		NO	NO
1050364	RUBBER APPLICATIONS	38	0	1.0			NO	NO
1050365	LAKELAND ANIMAL NUTRITION INC.	47	0	4.3			NO	NO
1050369	MORGAN TRUCK BODY, LLC	50		0.1	1.7		NO	NO
1050375	FIBERTEK INSULATION LLC	41	0	80	0		NO	NO
1050390	CONRAD YELVINGTON DISTRIBUTORS, INC.	45	7.0	7.0			NO	NO
1050393	KINDER MORGAN OPERATING LP "C"	46	22	45			NO	NO
1050394	LASTING PAWS PET CREMATION, INC.	40	0	0.6	2.5		NO	NO
1050395	TBEI, INC.	35	0	0	0		NO	NO
1050400	THE LANE CONSTRUCTION CORPORATION	41	10	33	17		NO	NO
7770073	APAC-SOUTHEAST INC., CENTRAL FL DIVISION	31	4.5	18	26		NO	NO
7770262	ANGELO'S AGGREGATE MATERIALS	39	0	8.0			NO	NO
7770473	CONRAD YELVINGTON DISTRIBUTORS	3.8	0	81			YES	NO
7771101	WOODRUFF & SONS, INC.	1.1	5.1	13	5.7		YES	YES
7774801	FLORIDA SOIL CEMENT, LLC	37	0	0			NO	NO
7774804	CENTRAL FLORIDA HOT MIX, A DIV OF LANE C	49	6.1	26	15		NO	NO
7775019	INDEPENDENCE RECYCLING INC	50	0	0			NO	NO



**Table 5-14**  
**Summary of Facilities Within 50 km of Significant Impact Area**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

Facility ID	Company Name	Distance from EFT	Screening Total PM <sub>10</sub> Emissions <sup>a</sup>	Screening Total PM Emissions <sup>a</sup>	Screening Total NO <sub>x</sub> Emissions <sup>a</sup>	Screening Total Pb Emissions <sup>a</sup>	Within 50 km of PM <sub>10</sub> SIA and PM <sub>10</sub> or PM Emissions over 20D?	Within 50 km of NO <sub>x</sub> SIA and NO <sub>x</sub> Emissions over 20D ?
		(km)	(tpy)	(tpy)	(tpy)	(tpy)		
7775055	WOODRUFF & SONS, INC.	43	7.3	7.3	3.9		NO	NO
7775089	WOODRUFF & SONS, INC.	41	0.6	7.6	0	0	NO	NO
7775092	ANGELO'S RECYCLED MATERIALS, INC.	15		0			NO	NO
7775159	WOODRUFF & SONS, INC.	0.7	7.0	7.0			YES	NO
7775202	THE LANE CONSTRUCTION CORPORATION	43	1.3	3.7	0		NO	NO
7775209	HAYWARD BAKER, INC.	45	0	1.3			NO	NO
7775229	CRUSH-IT, INC.	3.8	0	0	0		NO	NO
7775350	THE LANE CONSTRUCTION CORPORATION	42	0	0	0		NO	NO
7775375	SUMMERS CONCRETE CONTRACTING, INC	30	0	0			NO	NO
7775424	AJAX PAVING INDUSTRIES, INC.	8.3	0	0			NO	NO
7775493	PRINCE CONTRACTING COMPANY, INC	3.3	0	0			NO	NO

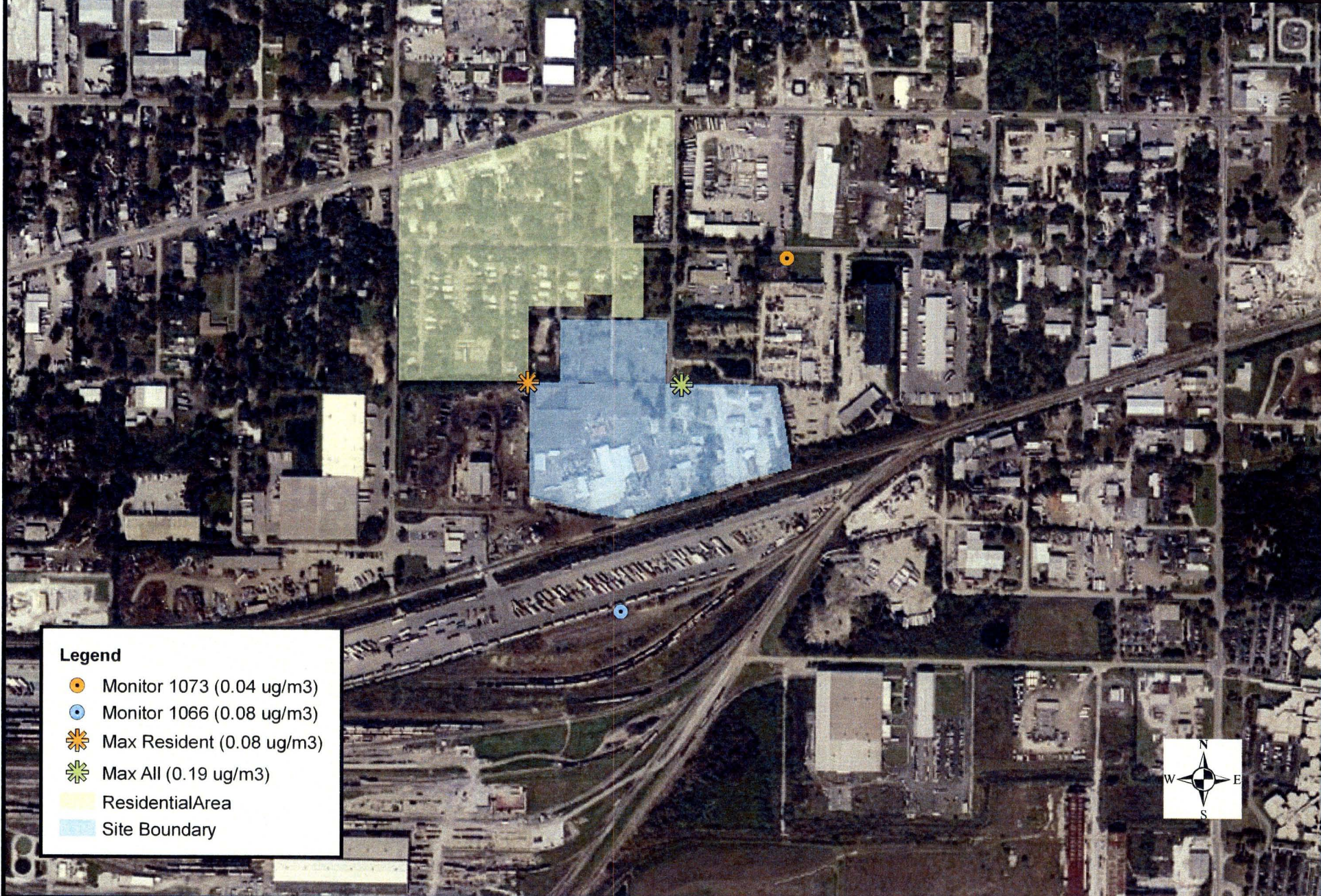
**Note:**

<sup>a</sup> Duplicate records are included.





<sup>b</sup> Once duplicate records are removed, the emissions fall below 20D.

**Table 5-19**  
**Summary of Full Impact Analysis: Lead**  
**EnviroFocus Technologies, LLC**  
**Tampa, Florida**

<b>Pollutant</b>	<b>Averaging Period</b>	<b>Receptor</b>	<b>Maximum Concentration (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Background Concentration (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Total Concentration (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>NAAQS (<math>\mu\text{g}/\text{m}^3</math>)</b>
Lead	Rolling 3-Months	Nearest Residential Area	0.08	0.05	0.13	0.15
		Lead Monitor 1073	0.04	0.05	0.09	0.15
		Lead Monitor 1066	0.08	0.05	0.13	0.15
		All Modeled Receptors	0.19	0.05	0.24	0.15

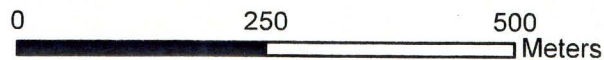


**Legend**

-  Monitor 1073 (0.04 ug/m3)
-  Monitor 1066 (0.08 ug/m3)
-  Max Resident (0.08 ug/m3)
-  Max All (0.19 ug/m3)
-  Residential Area
-  Site Boundary

**Max 3-Month Rolling Average Lead Concentrations**

EnviroFocus Technologies, LLC  
Tampa, Florida



## Appendix C

### Revised Emissions Estimates for Slurry Heaters

Table 15  
Slurry Heaters  
EnviroFocus Technologies, LLC  
Tampa, Florida

**Process Unit: Soda Ash Slurry Heaters**

Short-Term Activity Level 1:	0.5	Units	Stack ID			
Long-Term Activity Level 1:		MMBTU/hr (2 @ 0.25 mmBtu each)	Stack Height	11.2	feet	2 Horizontal stacks
Short-Term Activity Level 2:			Stack Flow	800	acfm	each
Long-Term Activity Level 2:			Stack Diameter	8	inches	each
			Stack Temperature	300	deg F	

Pollutant	EF	EF Units	Reference	Expected Actual lb/hr	Expected Actual tons/yr	Limit	Units	Notes	Limiting Level lb/hr	Limiting Level tons/yr
PM10	0.0076	lb/MMBTU	AP42 Table 1.4-2 (NG)	0.00	0.02				0.0038	0.02
VOC	0.0055	lb/MMBTU	AP42 Table 1.4-2 (NG)	0.00	0.01				0.00	0.01
NOx	0.21	lb/MMBTU	AP42 Table 1.5-1 (C3H8)	0.11	0.46				0.11	0.46
CO	0.084	lb/MMBTU	AP42 Table 1.4-2 (NG)	0.04	0.18				0.04	0.18
SO2	0.0165	lb/MMBTU	AP42 Table 1.5-1 (C3H8)	0.01	0.04				0.01	0.04
Pb	5E-07	lb/MMBTU	AP42 Table 1.4-2 (NG)	0.00	0.00				0.00	0.00
Antimony										
Arsenic										
cadmium										
Mercury	2.60E-07	lb/MMBTU	AP42 Table 1.4-4 (NG)	1.30E-07	5.69E-07				1.30E-07	5.69E-07
HCl										
H2SO4 (not a HAP)										
Carbon Disulfide										
<b>Total HAPs</b>				<b>0.000</b>	<b>0.000</b>				<b>0.000</b>	<b>0.000</b>

**Appendix D**

**Summaries of Lead Stack Test Results  
at Eagan Facility**

## Executive Summary

Gopher Resource Corporation contracted Pace Analytical Services, Inc. to perform lead and opacity emissions compliance testing on the main stack and cartridge dust collector at the Gopher Resource Corporation facility located in Eagan, Minnesota. Testing was performed on September 17, 2008. Summary results are highlighted in the following table:

### Test Results Summary

<u>Parameter</u>	<u>Run 1</u>	<u>Run 2</u>	<u>Run 3</u>	<u>Average</u>
<b>Main Stack</b>				
Concentration				
Lead, mg/dscm	0.021	0.017	0.016	0.018
Emission Rate				
Lead, LB/HR	0.0075	0.0061	0.0055	0.0064
Volumetric Airflow				
ACFM	135,800	133,800	125,500	131,700
DSCFM	96,900	97,600	90,300	95,000
<b>Cartridge Dust Collector Stack</b>				
Concentration				
Lead, mg/dscm	0.098	0.028	0.026	0.050
Emission Rate				
Lead, LB/HR	0.056	0.015	0.014	0.028
Volumetric Airflow				
ACFM	170,000	167,000	163,000	166,000
DSCFM	152,000	148,000	144,000	148,000
Lead Emission Limit	2 mg/dscm			

MACT X, 40 CFR Part 63.543, 40 CFR Part 63.544, 40 CFR Part 63.545

# Gopher Resources Corporation

Eagan, Minnesota

Pace Project No. 0711-100

Report Date: 12/20/07

## Table 5

Metals Summary

Main Stack

TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	11/6/2007	11/6/2007	11/6/2007	
Time of Run	915-1023	1120-1228	1315-1421	
<b>Volumetric Flow Rate</b>				
ACFM	146,500	145,000	143,100	144,900
DSCFM	106,300	106,300	106,400	106,300
Gas Temperature (°F)	160	164	153	159
Gas Moisture Content (%v/v)	9.7	8.3	8.5	8.8
<b>Metals Emissions Rates, LB/HR</b>				
Mercury (Hg)	0.00041	0.00047	0.00043	0.00044
Arsenic (As)	0.046	0.045	0.016	0.036
Cadmium (Cd)	0.00144	0.00141	0.00010	0.00098
Antimony (Sb)	0.00047	0.00042	0.00094	0.00061
Lead (Pb)	0.0550	0.0080	0.0083	0.0238
Selenium (se)	0.00016	<0.00015	<0.00015	<0.00016
<b>Metals Concentrations (µg/dscm)</b>				
Mercury (Hg)	1.0	1.2	1.1	1.1
Arsenic (As)	115.3	112.4	40.1	89.3
Cadmium (Cd)	3.6	3.5	0.3	2.5
Antimony (Sb)	1.2	1.1	2.4	1.5
Lead (Pb)	138.3	20.1	20.9	59.8
Selenium (se)	0.40	<0.39	<0.39	<0.39



# Gopher Resources Corporation

Eagan, Minnesota  
Pace Project No. 0711-100  
Report Date: 12/20/07

## Table 4 Metals Summary Cartridge Dust Collector TEST 1

<b>Parameter</b>	<b>Run 1</b>	<b>Run 2</b>	<b>Run 3</b>	<b>Average</b>
Date of Run	11/5/2007	11/5/2007	11/5/2007	
Time of Run	925-1034	1158-1306	1425-1535	
<b>Volumetric Flow Rate</b>				
ACFM	188,600	188,500	187,900	188,300
DSCFM	180,000	179,700	178,800	179,500
Gas Temperature (°F)	89	90	89	90
Gas Moisture Content (%v/v)	0.7	0.6	1.0	0.8
<b>Metals Emissions Rates, LB/HR</b>				
Mercury (Hg)	0.00007	<0.00006	<0.00006	0.00006
Arsenic (As)	<0.00023	<0.00023	<0.00023	<0.00023
Cadmium (Cd)	0.0026	0.0024	0.0025	0.0025
Antimony (Sb)	0.00036	0.00030	0.00059	0.00042
Lead (Pb)	0.013	0.016	0.064	0.031
Selenium (Se)	< 0.0003	< 0.0003	< 0.0003	< 0.0003
<b>Metals Concentrations (µg/dscm)</b>				
Mercury (Hg)	0.10	<0.09	<0.09	0.09
Arsenic (As)	<0.34	<0.34	<0.34	<0.34
Cadmium (Cd)	3.91	3.55	3.76	3.74
Antimony (Sb)	0.54	0.45	0.88	0.62
Lead (Pb)	19.8	23.6	96.2	46.5
Selenium (Se)	<0.45	<0.45	<0.45	<0.45

# Gopher Resource Corporation

Eagan, Minnesota  
 Pace Project No. 0707-107  
 Report Date: 10/4/07

## Table 1

Lead Summary  
 Main Stack  
 TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	9/11/2007	9/11/2007	9/11/2007	
Time of Run	940-1046	1200-1310	1345-1349	
Volumetric Flow Rate				
ACFM	137,800	140,000	130,000	135,900
DSCFM	107,400	110,500	102,100	106,700
Gas Temperature (°F)	155	148	152	152
Gas Moisture Content (%v/v)	6.3	6.1	6.0	6.1
Gas Composition (%v/v,Dry)				
CO2	1.3	1.4	1.6	1.4
O2	20.3	20.4	20.1	20.3
N2	78.4	78.2	78.3	78.3
Isokinetic Variation (%)	99.9	99.9	101.1	
Sample Volume (Cubic Feet)				
Meter Conditions	46.92	47.90	44.81	
Dry Standard	44.33	45.63	42.66	
Parameter Concentration (mg/dscm)				
Lead - Filter & Probe Wash	0.032	0.044	0.061	0.046
Lead - Wet catch	0.0011	0.0024	0.0017	0.0017
Lead - Total	0.033	0.047	0.063	0.047
Parameter Emission Rate (LB/HR)				
Lead - Filter & Probe Wash	0.013	0.018	0.023	0.018
Lead - Wet catch	0.0004	0.0010	0.0006	0.0007
Lead - Total	0.013	0.019	0.024	0.019

# Gopher Resource Corporation

Eagan, Minnesota  
 Pace Project No. 0707-107  
 Report Date: 10/4/07

## Table 2 Lead Summary Cartridge Dust Collector Stack TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	9/11/2007	9/11/2007	9/11/2007	
Time of Run	940-1046	1200-1310	1345-1450	
<b>Volumetric Flow Rate</b>				
ACFM	170,000	162,500	172,600	168,400
DSCFM	155,300	146,600	154,200	152,000
Gas Temperature (°F)	97	98	100	98
Gas Moisture Content (%v/v)	0.4	1.4	2.0	1.3
<b>Gas Composition (%v/v, Dry)</b>				
CO2	0.0	0.0	0.0	0.0
O2	20.9	20.9	20.9	20.9
N2	79.1	79.1	79.1	79.1
Isokinetic Variation (%)	98.4	100.7	100.6	
<b>Sample Volume (Cubic Feet)</b>				
Meter Conditions	37.95	36.73	38.60	
Dry Standard	35.53	34.29	36.07	
<b>Parameter Concentration (mg/dscm)</b>				
Lead - Filter & Probe Wash	0.012	0.016	0.023	0.017
Lead - Wet catch	0.001	0.004	0.002	0.002
Lead - Total	0.013	0.021	0.025	0.019
<b>Parameter Emission Rate (LB/HR)</b>				
Lead - Filter & Probe Wash	0.007	0.009	0.013	0.010
Lead - Wet catch	0.0005	0.0023	0.0012	0.0013
Lead - Total	0.007	0.011	0.014	0.011

# Gopher Resource Corporation

Eagan, Minnesota

Pace Project No. 0604-102

Report Date: 8/1/06

## Table 1

Lead Summary

Main Stack

TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	6/27/2006	6/27/2006	6/27/2006	
Time of Run	1105-1209	1245-1349	1425-1530	
Volumetric Flow Rate				
ACFM	137,000	137,100	136,700	136,900
DSCFM	104,700	102,700	99,400	102,300
Gas Temperature (°F)	170	176	196	181
Gas Moisture Content (%v/v)	6.1	7.0	6.9	6.7
Gas Composition (%v/v, Dry)				
CO2	1.4	1.8	1.8	1.7
O2	19.4	19.9	19.6	19.6
N2	79.2	78.3	78.6	78.7
Isokinetic Variation (%)	101.7	102.4	100.8	
Sample Volume (Cubic Feet)				
Meter Conditions	50.43	49.93	47.71	
Dry Standard	46.83	46.25	44.08	
Parameter Concentration (mg/dscm)				
Lead - Filter & Probe Wash	0.018	0.017	0.068	0.034
Lead - Wet catch	0.11	0.11	0.15	0.12
Lead - Total	0.12	0.13	0.22	0.16
Parameter Emission Rate (LB/HR)				
Lead - Filter & Probe Wash	0.007	0.006	0.026	0.013
Lead - Wet catch	0.0413	0.0419	0.0571	0.0468
Lead - Total	0.048	0.048	0.083	0.060



# Gopher Resource Corporation

Eagan, Minnesota  
Pace Project No. 0604-102  
Report Date: 8/1/06

## Table 2 Lead Summary Cartridge Dust Collector Stack TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	6/27/2006	6/27/2006	6/27/2006	
Time of Run	750-900	1105-1210	1245-1349	
Volumetric Flow Rate				
ACFM	173,600	169,700	174,000	172,400
DSCFM	154,500	151,200	151,200	152,300
Gas Temperature (°F)	106	112	115	111
Gas Moisture Content (%v/v)	1.7	0.6	2.5	1.6
Gas Composition (%v/v, Dry)				
CO2	0.0	0.0	0.0	0.0
O2	20.9	20.9	20.9	20.9
N2	79.1	79.1	79.1	79.1
Isokinetic Variation (%)	99.6	98.9	100.4	
Sample Volume (Cubic Feet)				
Meter Conditions	40.30	39.98	40.70	
Dry Standard	38.48	37.38	37.96	
Parameter Concentration (mg/dscm)				
Lead - Filter & Probe Wash	0.005	0.005	0.004	0.005
Lead - Wet catch	0.011	0.004	0.013	0.009
Lead - Total	0.017	0.008	0.017	0.014
Parameter Emission Rate (LB/HR)				
Lead - Filter & Probe Wash	0.003	0.003	0.002	0.003
Lead - Wet catch	0.0066	0.0021	0.0073	0.0053
Lead - Total	0.010	0.005	0.010	0.008

# Gopher Resources Corporation

Eagan, Minnesota  
 Pace Project No. 0711-100  
 Report Date: 12/20/07

## Table 6 Metals Summary Breaker Stack TEST 1

Parameter	Run 1	Run 2	Run 3	Average
Date of Run	11/8/2007	11/8/2007	11/8/2007	
Time of Run	855-958	1055-1200	1250-1353	
<b>Volumetric Flow Rate</b>				
ACFM	10,700	10,500	10,300	10,500
DSCFM	9,600	9,400	9,300	9,400
Gas Temperature (°F)	72	72	72	72
Gas Moisture Content (%v/v)	2.6	2.9	3.3	3.0
<b>Metals Emissions Rates, LB/HR</b>				
Mercury (Hg)	<0.0000025	0.0000035	<0.0000025	0.0000028
Arsenic (As)	0.000031	0.000062	0.000027	0.000040
Cadmium (Cd)	0.000049	0.000021	0.000029	0.000033
Antimony (Sb)	0.00014	0.00018	0.00018	0.00016
Lead (Pb)	0.026	0.024	0.025	0.025
Selenium (Se)	<0.000013	<0.000012	0.000016	<0.000014
<b>Metals Concentrations (µg/dscm)</b>				
Mercury (Hg)	0.07	0.10	0.07	0.08
Arsenic (As)	0.85	1.77	0.77	1.13
Cadmium (Cd)	1.36	0.59	0.83	0.93
Antimony (Sb)	3.88	5.06	5.08	4.67
Lead (Pb)	719.0	680.6	729.6	709.7
Selenium (Se)	<0.35	<0.35	0.45	<0.39