Final 2013 Air Emissions Inventory

186th Air Refueling Wing
Mississippi Air National Guard
Meridian, Mississippi

Prepared for:

Headquarters Air National Guard

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Acronyms

186 ARW	186th Air Refueling Wing
ABCL	Abrasive Cleaning
AEI	Air Emissions Inventory
AFCEC	Air Force Civil Engineer Center
AFCEE	Air Force Center for Environmental Excellence
AFI	Air Force Instruction
AFIOH	Air Force Institute for Operational Health
AFPAM	Air Force Pamphlet
AGE	Aerospace ground equipment
AGL	Above ground level
ANG	Air National Guard
ANGB	Air National Guard Base
AOPS	Aircraft Operations
APC	Air Pollution Control
APIMS	Air Program Information Management System
APU	Auxiliary power unit
AQUIS	Air Quality Utility Information System
AST	Aboveground Storage Tank
BDT	Best Demonstrated Technology
BRMP	Base Refrigerant Management Program
Btu	British thermal unit
CAA	Clean Air Act
CAAA	Clean Air Act Amendments of 1990
CAAPP	Clean Air Act Permit Program
CAS	Chemical Abstracts Service
CEIDARS	California Emission Inventory and Reporting System
CELL	Fuel Cell Maintenance
CEQ	Counsel on Environmental Quality
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulations
CH_4	Methane
CHEM	Miscellaneous Chemical Use
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
CRTC	Combat Readiness Training Center
CUF	Cubic Feet
CY	Calendar year
DECC	Department of Energy and Climate Change
DCF	Data Collection Form
DEGR	Solvent Degreasing
DICE	Aircraft Deicing
DLA	Defense Logistics Agency
DoD	Department of Defense
DOE	Department of Energy
ECOM	External Combustion
EDP	Environmental Permits Division

EESOH-MIS	Enterprise Environmental Safety and Occupational Health Management Informational System
EF	Emission Factor
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ES	Executive Summary
EESOH-MIS	Enterprise Environment, Safety, and Occupational Health Management Informational System
eGRID	Emissions and Generation Resource Integrated Database
FDSP	Fuel Dispensing
FESOP	Federally Enforceable State Operating Permit
FIRE	Factor Information Retrieval System
FLD	Fuel Loading
FY	Fiscal Year
GACT	Generally Available Control Technology
Gal	Gallon
GDF	Gasoline dispensing facility
GHG	Greenhouse gas
GOVs	Government-owned vehicles
GRP	General Reporting Protocol
GSU	Geographically Separated Unit
GWP	Global warming potential
HAP	Hazardous air pollutant
HAZMART	Hazardous Material Pharmacy
HCFCs	Hydrochlorofluorocarbons
HDDV	Heavy-Duty Diesel Vehicles (> 8,500 lbs GVW)
HDGV	Heavy Duty Gasoline Vehicles (> 8,500 lbs GVW)
HFCs	Hydrofluorocarbons
hp	Horsepower
hr	Hour
HRO	Human Resource Office
HVAC	Heating, Ventilation, and Air Conditioning
HVLP	High Volume Low Pressure
IAC	Illinois Administrative Code
ICE	Internal Combustion Engines
ICOM	Internal Combustion
IPCC	Intergovernmental Panel on Climate Change
JA	Judge Advocate
JET	Jet Engine Testing
kW	Kilowatt
LAs	Low approaches
lb	Pound
LBS/MHPHR	Pounds per thousand horsepower hour
LTOs	Landings and take-offs
MACT	Maximum achievable control technology
MDEQ	Mississippi Department of Environmental Quality
MEK	Methyl ethyl ketone
MGal	1000 gallons
MIBK	Methyl iso-butyl ketone
MIG	Metal inert gas
MM	Million
MMBtu	Million Btu

MMCUF	Million cubic feet
MRR	Mandatory Reporting Rule
MS	Mississippi
MSDS	Material Safety Data Sheet
MSW	Municipal Solid Waste
MTBE	Methyl tert-butyl ether
MUN	Munitions
MW	Megawatt
MWh	Megawatt-hour
NAAQS	National Ambient Air Quality Standard
NESHAP	National Emission Standards for Hazardous Air Pollutants
NG	Natural gas
NGB	National Guard Bureau
NMHC	Non-methane hydrocarbon
N_2O	Nitrous oxide
NO_2	Nitrogen dioxide
NO_x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
O_3	Ozone
ODSs	Ozone depleting substances
P2	Pollution Prevention
Pb	Lead
PEST	Pesticide
PFCs	perfluorocarbons
PM_{10}	Particulate matter of aerodynamic diameter less than 10 microns
$PM_{2.5}$	Particulate matter of aerodynamic diameter less than 2.5 microns
POVs	Privately-owned vehicles
ppm	Parts per million
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
PTE	Potential to emit
RDL	Remediation
RICE	Reciprocating Internal Combustion Engines
RMS	Refrigerant Management System
RVP	Reid vapor pressure
SCC	Source Classification Code
SF_6	Sulfur hexafluoride
SMAW	Shielded metal arc welding
SMOP	Synthetic Minor Operating Permit
SO_2	Sulfur dioxide
SO_x	Sulfur oxides
SPRL	Spills and Releases
SURF	Surface Coating
SVE	Soil Vapor Extraction
T&D	Transmission and Distribution
TDNQ	Technical Support Division, Natural Infrastructure and Quality
TGO	Touch and goes
TIG	Tungsten inert gas
tpy	Tons per year
UNEP	United Nations Environment Program
UNFCCC	United Nations Framework Convention on Climate Change

USAF	United States Air Force
UST	Underground Storage Tank
VEHE	Vehicle Operations
VEMO	Virtual Environmental Management Office
VOC	Volatile organic compound
WELD	Welding Operations
WOOD	Woodworking
WTPCT	Weight Percentage
yr	Year

Executive Summary

The purpose of this 2013 air emissions inventory (AEI) is two-fold: 1) to quantify emissions of criteria pollutants, hazardous air pollutants and greenhouse gases (GHGs) due to operations at the 186th Air Refueling Wing (186 ARW) of the Mississippi (MS) ANG using the U.S. Air Force (USAF) Air Program Information Management System (APIMS) and 2) to estimate potential emissions based on calendar year (CY) 2013 for the installation to verify minor source status as it pertains to Title V regulation. The impetus for performing this study for the installation includes the following factors:

- The Clean Air Act Amendments (CAAA) of 1990, which outline the requirements for performing general conformity analyses for federal facilities in nonattainment areas and the requirements for air quality permitting, including the Title V Operating Permit Program.
- Air Force Instruction (AFI) 32-7040, paragraph 3.2, which requires installations to prepare comprehensive AEIs every 3 years (or sooner if required by a regulatory agency) that accurately reflect the conditions at the base.
- The Air National Guard Environmental Division requirements for maintaining updated and accurate air emission inventories for each Air National Guard (ANG) installation.
- Mississippi state air quality regulations, which are found in the Air Pollution Control regulations APC-S-1 through APC-S-10;

Sections 2 and 4 of this report present a summary of the CY 2013 air emissions from stationary and mobile emission sources operated by the 186 ARW. The 186 ARW is located at Key Field Air National Guard Base (ANGB), which is within Lauderdale County, MS. Emissions due to operations at the 186 ARW are summarized in Tables ES-1 through ES-4 for the following criteria pollutants: carbon monoxide (CO), nitrogen oxides (NO_x), sulfur oxides (SO_x), volatile organic compounds (VOCs), respirable particulate matter (PM) less than or equal to 10 micrometers in diameter (PM_{10}) and less than 2.5 microns in diameter ($PM_{2.5}$), and for hazardous air pollutants (HAPs). Lead (Pb) emissions are addressed under HAPs. Although there is no established emission threshold for $PM_{2.5}$ in the Title V regulation, these emissions are presented in this inventory for informational purposes, and to potentially support the analysis of future U.S. Environmental Protection Agency (EPA) regulations for the newly established $PM_{2.5}$ standard.

Section 5 of this report includes an inventory of the installation's stationary and mobile source GHG emissions (Scope 1), emissions from electricity use (Scope 2), and emissions from tenant electricity usage, municipal solid waste disposal, employee commuting, business travel, and offsite wastewater treatment (Scope 3). The GHG calculations in this AEI follow the "bottom-up" approach (that is they are developed for each GHG emission source category and are then totaled to estimate the overall facility-wide emissions of GHGs). As detailed in the Kyoto Protocol, the Intergovernmental Panel on Climate Change identified six GHGs (Kyoto gases) generated by human activity that are believed to be contributors to global warming. They are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O),

hydrofluorocarbons (HFCs), perfluorocarbons, and sulfur hexafluoride (SF_6). These GHGs have varying magnitudes of global warming potential, which is the ability of a gas or aerosol to trap heat in the atmosphere. As such, emissions are presented in carbon dioxide equivalents (CO_2e) using the appropriate global warming potential (GWP) values for conversion. Table ES-5 summarizes the Scope 1 through 3 GHG emissions from the installation. Tables ES-6 and ES-7 present the CY 2013 actual and potential emissions of GHGs from stationary sources, respectively. Table ES-8 presents GHG emissions from mobile sources. Table ES-9 summarizes the Scope 2 and 3 GHG emissions from indirect sources. The indirect GHGs were calculated using the newly developed Department of Energy's (DOE) *Annual GHG and Sustainability Data Report, Version 3.2* (https://www.fedcenter.gov/programs/greenhouse/inventoryreporting/fempceqresources/portal/). The formulas in the DOE GHG emission calculation tool were modified to reflect the ANG bases' unique schedule (i.e. drill weekends and weekend security personnel).

This report also presents the emissions of ozone-depleting substances (ODSs) from the 186 ARW, which are summarized in Table ES-10. Emissions of ODSs are not included in the emission totals because there are no thresholds or emission limits for ODSs. Additionally, the state of MS does not require ODSs to be included as part of an air emissions inventory, as ODSs are not considered to be VOCs. There are, however, requirements that apply to manufacturers and importers of ODSs, and on trained individuals who maintain systems that contain ODSs. Per federal regulations (40 CFR Part 82), owners or operators of equipment which contain 50 pounds or greater of ODSs are required to repair leaks such that the leak rate is below 15% per year. Documentation of equipment repairs and ODS replacement records must be maintained for two years for equipment containing greater than 50 pounds of ODSs.

Based on the data collected from the installation, there were several pieces of HVAC equipment at the installation in 2013 which contained more than 50 lbs of Class II ODS. Records are maintained at the installation to estimate the overall usage of ODS from equipment repair. Moreover, ODSs are stored at the facility in fire suppression equipment. The 2013 AEI shows that 51.5 lbs of Class II ODSs were emitted from the installation in 2013. The emissions were from comfort equipment. There were no emissions of ODSs from the 186 ARW in CY 2013 related to general chemical usage, which is tracked in the Enterprise Environmental Safety and Occupational Health Management Informational System (EESOH-MIS) in accordance with USAF requirements.

Attainment Status and Title V Permitting Requirements

The MDEQ has been delegated the authority by the EPA to implement the Federal Title V program and to regulate air pollution sources in the State of MS. Mississippi's air quality regulations are found in MDEQ Air Pollution Control regulations APC-S-1 through APC-S-10. Section 6 of this report provides a summary of the main regulations that apply to the installation and assesses the installation's compliance status with applicable air rules and regulations.

APC-S-6 establishes the State of Mississippi's requirements and procedures for implementing the federal Title V Operating Permits program. Stationary source PTE

emissions are used to evaluate the installation's Title V status. The 2013 potential emissions from stationary sources operating by the 186 ARW were calculated using the ANG/USAF PTE methodology. The screening analysis showed that the 2013 PTE emissions for the 186 ARW were well below the Title V permitting thresholds.

The 186 ARW does not currently hold any equipment-specific air permits or any other state air permits. The 186 ARW used to hold a synthetic minor operating permit (SMOP) which required the installation to submit an AEI annually, demonstrating compliance with the permit and no significant increase in emissions. In 2008 the MDEQ declared that the installation is a true minor source and deemed that it no longer needs to hold an SMOP. Regulation APC-S-2 sets the requirements for operating permits for air pollution sources. Exemptions from obtaining operating permits are included in Regulation APC-S-2 Section XIII. All of the equipment in operation at 186 ARW in 2013 is considered exempt and does not require a permit. Section 6.4 of this report provides a regulatory compliance analysis for the installation.

The analysis in this AEI also evaluated the installation's compliance performance regarding existing air permit conditions, and discusses National Emission Standards for Hazardous Air Pollutants (NESHAPs) and New Source Performance Standards (NSPS) regulations that might be applicable to the installation, as shown in Sections 6.2 and 6.3, respectively.

Table ES-1
Summary of Installation Emissions
186 ARW, Mississippi ANG, Meridian, MS

Pollutant	Annual Emissions (tons/year)				
	Actual			Potential	Major Source Thresholds
	Stationary	Mobile	Total	Stationary Only	Stationary Only
Carbon Monoxide (CO)	0.63	17.02	17.64	4.99	**100.0**
Nitrogen Oxides (NO_x)	1.21	8.29	9.50	18.76	**100.0**
Particulate Matter (PM_{10})	0.10	1.04	1.14	1.41	**100.0**
Sulfur Oxides (SO_x)	0.04	0.35	0.39	1.13	**100.0**
Volatile Organic Compounds (VOCs)	1.41	1.23	2.65	6.56	**100.0**
Total Hazardous Air Pollutants (HAPs)	0.27	0.13	0.41	0.98	**25.0**
Particulate Matter ($PM_{2.5}$)*	0.10	1.04	1.14	1.41	--

*There is no Title V threshold for $PM_{2.5}$ emissions; the emissions are provided for informational purposes only.

Table ES-2
Stationary Sources Actual Criteria Pollutant Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Actual Emissions (tons/year)						
Code	Name	CO	NO_x	PM_{10}	$PM_{2.5}$	SO_x	VOCs	HAPs
ABCL	Abrasive Blasting	-	-	0.0001	0.0001	-	-	-
AST	Aboveground Storage Tank	-	-	-	-	-	0.580	0.101
CHEM	Miscellaneous Chemical Use	-	-	0.005	0.005	-	0.631	0.033
DEGR	Solvent Degreasing	-	-	-	-	-	0.010	-
ECOM	External Combustion	0.338	0.477	0.037	0.037	0.003	0.027	0.057
FDSP	Fuel Dispensing	-	-	-	-	-	0.080	0.054
FLD	Fuel Loading	-	-	-	-	-	0.018	0.018
ICOM	Internal Combustion	0.287	0.733	0.046	0.046	0.042	0.067	0.012
PEST	Pesticide Usage	-	-	-	-	-	-	-
WELD	Welding Operations	-	-	0.002	0.002	-	-	0.000
WOOD	Woodworking	-	-	0.009	0.009	-	-	-
	Total, Stationary Sources	**0.625**	**1.209**	**0.100**	**0.100**	**0.045**	**1.412**	**0.274**

Table ES-3
Stationary Sources Potential Criteria Pollutant Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Potential Emissions (tons/year)						
Code	**Name**	**CO**	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**SO_x**	**VOCs**	**HAPs**
ABCL	Abrasive Blasting	-	-	0.0002	0.0002	-	-	-
AST	Aboveground Storage Tank	-	-	-	-	-	2.236	0.390
CHEM	Miscellaneous Chemical Use	-	-	0.021	0.021	-	2.433	0.126
DEGR	Solvent Degreasing	-	-	-	-	-	0.037	-
ECOM	External Combustion	1.302	1.838	0.143	0.143	0.011	0.103	0.170
FDSP	Fuel Dispensing	-	-	-	-	-	0.308	0.209
FLD	Fuel Loading	-	-	-	-	-	0.068	0.068
ICOM	Internal Combustion	3.690	16.921	1.199	1.199	1.117	1.370	0.015
PEST	Pesticide Usage	-	-	-	-	-	-	-
WELD	Welding Operations	-	-	0.009	0.009	-	-	-
WOOD	Woodworking	-	-	0.036	0.036	-	-	-
	Total, Stationary Sources	**4.992**	**18.759**	**1.407**	**1.407**	**1.128**	**6.555**	**0.978**

Table ES-4
Mobile Sources Actual Criteria Pollutants Summary
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Actual Emissions (tons/year)						
Code	**Name**	**CO**	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**SO_x**	**VOCs**	**HAPs**
AGE	Aerospace Ground Equipment	1.006	1.364	0.097	0.097	0.089	0.138	0.003
AOPS	Aircraft Operations	3.035	5.487	0.866	0.866	0.163	0.297	0.094
VEHE	Vehicle Operations	12.977	1.444	0.080	0.080	0.098	0.799	0.036
	Total, Mobile Sources, tons/year	**17.017**	**8.294**	**1.043**	**1.043**	**0.349**	**1.235**	**0.133**

Table ES-5
Actual GHG Emissions Summary
186 ARW, Mississippi ANG, Meridian, MS

Source Category	Annual Emissions (tons/year)				CO_2e (metric tons/year)
	CO_2	CH_4	N_2O	HCFC-22	
Scope 1					
External Combustion	583.65	0.01	0.01	-	532.52
Internal Combustion	28.59	0.0005	0.003	-	26.89
Comfort Equipment	-	-	-	0.03	42.27
Mobile Emissions	936.50	1.04	2.04	-	1,424.49
Scope 1 Totals	**1,548.74**	**1.05**	**2.05**	**0.03**	**2,026.16**
Scope 2					
Purchased Electricity	3,551.52	0.05	0.06	-	3,239.00
Scope 2 Totals	**3,551.52**	**0.05**	**0.06**	**-**	**3,239.00**
Scope 3					
T&D Losses	233.94	0.003	0.004	-	213.36
Business Travel – Air	63.16	0.000	0.002	-	57.87
Business Travel – Rental Car	4.05	0.0003	0.0004	-	3.78
Employee Commuting	952.74	0.06	0.08	-	887.50
Offsite Waste Water Treatment	-	0.0001	0.01	-	2.82
Offsite Solid Waste Disposal	-	9.69	0.00	-	184.78
Scope 3 Totals	**1,253.90**	**9.76**	**0.09**	**-**	**1,350.10**

Table ES-6
Stationary Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)				CO_2e (metric tons/year)
Code	Name	CO_2	CH_4	N_2O	HCFC-22	
ECOM	External Combustion	583.65	0.01	0.01	-	532.52
ICOM	Internal Combustion	28.59	0.0005	0.003	-	26.89
ODC	Comfort Equipment	-	-	-	0.03	42.27
	Totals	**612.24**	**0.01**	**0.01**	**0.03**	**601.67**

Table ES-7
Stationary Sources Potential GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)				CO_2e
Code	**Name**	**CO_2**	**CH_4**	**N_2O**	**HCFC-22**	**(metric tons/year)**
ECOM	External Combustion	10,840.13	0.21	0.20	-	9,890.43
ICOM	Internal Combustion	627.00	0.02	0.01	-	570.60
ODC	Comfort Equipment	-	-	-	0.10	162.99
	Totals	**11,467.13**	**0.23**	**0.20**	**0.10**	**10,624.02**

Table ES-8
Mobile Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)			CO_2e
Code	**Name**	**CO_2**	**CH_4**	**N_2O**	**(metric tons/year)**
AGE	Aerospace Ground Equipment	61.46	-	0.01	58.17
AOPS	Aircraft Operations	596.90	1.02	2.02	1,110.27
VEHE	Vehicle Operations	278.14	0.02	0.01	256.04
	Totals	**936.50**	**1.04**	**2.04**	**1,424.49**

Table ES-9
Indirect Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category	Annual Emissions (tons/year)			CO_2e
Name	**CO_2**	**CH_4**	**N_2O**	**(metric tons/year)**
Purchased Electricity	3,551.52	0.05	0.06	3,239.00
T&D Losses	233.94	0.003	0.004	213.36
Business Travel – Air	63.16	0.000	0.002	57.87
Business Travel – Rental Car	4.05	0.0003	0.0004	3.78
Employee Commuting	952.74	0.06	0.08	887.50
Offsite Waste Water Treatment	-	0.0001	0.01	2.82
Offsite Solid Waste Disposal	-	9.69	0.00	184.78
Totals	**4,805.42**	**9.81**	**0.15**	**4,589.10**

Table ES-10
Summary of ODS Emissions
186 ARW, Mississippi ANG, Meridian, MS

Ozone Depleting Substance (ODS)	Total ODS Emissions (lb/year)
Class I Totals	**0**
HCFC-22	51.5
Class II Totals	**51.5**
Total ODSs	**51.5**

1.0 Introduction

1.1 Background

In response to the requirements in the Clean Air Act Amendments of 1990 (CAAA), both the U.S. Air Force (USAF) and the Air National Guard (ANG) have developed specific policies and goals for air quality control and pollution prevention (P2), including preparing accurate and up-to-date air emissions inventories (AEIs) for their installations.

Air Force Instruction (AFI) 32-7040, paragraph 3.2, requires an installation to prepare a comprehensive AEI periodically (in general it is done every 3 years or sooner if required by a regulatory agency) that accurately reflect the conditions at the base. This AEI is intended to provide estimates of calendar year (CY) 2013 air emissions from both stationary and mobile sources operated by the 186th Air Refueling Wing (186 ARW) of the Mississippi (MS) ANG located in Meridian, MS. It is intended to assess any changes in emissions and to conduct a preliminary evaluation whether permits are required by the air quality regulatory agency.

Actual emissions information assists in demonstrating compliance with applicable state and federal air quality regulations; supports future air conformity analysis that may be conducted for the 186 ARW; and provides valuable information on actual facility-wide emissions for CY 2013.

Potential emissions from stationary sources support a review of the applicability of Title V and major source National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations to the installation.

In addition to providing estimates of actual and potential emissions of criteria pollutants and hazardous air pollutants (HAPs) from stationary sources and actual criteria pollutants and HAP emissions from mobile sources, this AEI also includes the following items:

- Actual emissions of ozone-depleting substances (ODSs);
- Actual and potential emissions of greenhouse gases (GHGs) from stationary sources and actual emissions from indirect sources; and
- Actual emissions of GHGs from mobile sources.

1.2 Air Emissions Inventory Methodology

This AEI was prepared using information compiled by the installation's Environmental Management staff, from a review of installation records, a site survey, and interviews with installation personnel. The operational data collected from installation personnel included specific information, such as fuel use, equipment inventories and hours of operation, and chemical use data, that have served as the basis for many of the emission calculations included in the CY 2013 AEI. Environmental staff requested the required data for completing the updated AEI from the various shops using Data Collection Forms (DCFs) provided by an NGB contractor. The 2013 operational data was later confirmed/updated during a two-day site visit performed by the NGB contractor's staff.

Appendix A contains calculation methodologies used in APIMS for each stationary emissions source. Appendix A also contains criteria pollutant, HAP and GHG emissions from individual stationary sources. This same information can be found in Appendix B for mobile sources. Appendix D contains a list of the mission sources that were operational in 2013, sources of data used in this AEI, and the DCFs used to prepare this update AEI.

In general, the approach used for developing this AEI was to build upon the installation's last AEI report, which was completed for CY 2008, and to update the emissions inventory based on CY 2013 operational data. Also, as appropriate, for the 2013 AEI, the emission quantification methodologies were revised to incorporate updated emission factors and calculation formulas based on the latest guidance documents from the U.S. Environmental Protection Agency (EPA) and the USAF.

Stationary external combustion devices included in the USAF Air Program Information Management System (APIMS) are currently entered into the database by broad capacity classifications (less than 300,000 British thermal units per hour [Btu/hr]) in accordance with the APIMS Implementation Plan for the ANG. Actual capacity by unit is not included.

The 186 ARW is under the jurisdiction of the Mississippi Department of Environmental Quality (MDEQ) which is the agency that regulates air quality emissions from stationary sources in the State of MS. The MDEQ is responsible for administering air permits in the State. Mississippi's air quality regulations are found in MDEQ Air Pollution Control regulations APC-S-1 through APC-S-10.

For the purposes of assessing Title V applicability, the PTE for external combustion sources were calculated using the maximum annual potential run time of 8,760 hours per year. The boilers and heaters at the installation are typically used for both heating and freeze protection during winter months and do not get a significant usage reduction during the "non-working" hours of those months when buildings are unoccupied. In evaluating Title V applicability, these PTE determinations are intended to be used for screening by the ANG rather than for formal permitting actions with a regulatory agency. It is suggested that a formal Title V applicability determination, considering applicable exemptions, be undertaken by ANG for any facility exceeding 50 percent of the PTE for major source category thresholds.

The review of the USAF/ANG PTE emission calculation methodologies used in this AEI relied on previous reviews by MDEQ and guidance given to the installation by the MDEQ on the retraction of their Synthetic Minor Operating Permit (SMOP). In a previous review, Mr. Chad Winter, of MDEQ, (601) 961-5601, chad.winter@deq.state.ms.us indicated that the IEPA accepts the USAF/ANG methodology for PTE calculations, which includes operational constraints and bottlenecks for some emission source categories. For some of the sources, (e.g., external combustion), full operation 24 hours per day, 365 days per year, and without controls is required.

For emergency generators, MDEQ adopted the U.S. EPA's policy of using 500 hours/year (Seitz, 1995). Therefore, for the 2013 AEI, potential emissions from emergency equipment were estimated based on each engine operating a maximum of 500 hours per year. For production–related sources where maximum operational constraints are not easily calculated

according to a full 24-hour/365-day operation (such as chemical use) MDEQ agreed with USAF/ANG guidance on calculating PTE. Therefore, the USAF/ANG methodology of scaling the actual emissions using an operational factor of 8,760/2,272 was used to calculate PTE, as the installation operated a standard work schedule in 2013, which equates to 40 hours per week work period, with two 8-hour weekend days per month, which equated to a total of 2,272 hours per year.

In 1996, the D.C. Court of Appeals issued a decision that required EPA to regulate aerospace ground equipment (AGE) as a mobile source. That year, a memorandum was issued by the Chief of the Air Force Legal Services Agency stating that AGE, therefore, would be considered mobile sources at military installations. The Air Force Civil Engineer Center (AFCEC) and the National Guard Bureau (NGB) Judge Advocate (JA) recently concurred that the 1996 interpretation is still valid. A review of Illinois regulations indicated that they do not specifically address whether AGE should be considered as stationary or mobile sources. Military tactical support equipment is a type of portable equipment. Therefore, in this AEI, AGE is considered to be a mobile source in accordance with USAF and NGB JA guidance.

The following references were used by APIMS for establishing the emission quantification methods and emission factors used in this AEI:

1. AP-42, Fifth Edition, Volume I, Stationary Point & Area Sources (EPA, April 2010)
2. *Air Emissions Factor Guide to Air Force Stationary Sources, Methods for Estimating Emissions of Air Pollutants for Stationary Sources at U.S. Air Force Installations* (AFCEE/Technical Support Division, Natural Infrastructure and Quality [TDNQ], December 2009)
3. *Air Emissions Factor Guide to Air Force Mobile Sources, Methods for Estimating Emissions of Air Pollutants for Mobile Sources at U.S. Air Force Installations* (AFCEE/TDNQ, December 2009)
4. TANKS Model Version 4.0.9d (EPA, 2009)
5. Factor Information Retrieval System, Version 6.25 (EPA)
6. *Composition & Photochemical Reactivity of Turbine Engine Exhaust*, Report ESL-TR-84-28, prepared for Air Force Engineering and Services Center (September 1984)
7. *U.S. Inventory of Greenhouse Gases and Sinks 1990–2008* (Annexes 2 and 3) (EPA, April 2010)
8. *Mandatory Reporting of Greenhouse Gases Rule*, 40 *Code of Federal Regulations* (CFR) 98 (EPA, October 2011)
9. *Federal Greenhouse Gas Accounting and Reporting Guidance* (U.S. Department of Energy [DOE] October 2010)
10. *Calculating Potential to Emit (PTE) for Emergency Generators* (Seitz, John, S., director, EPA, Office of Air Quality Planning and Standards; September 6, 1995)

11. *Annual GHG and Sustainability Data Report, Version 3.2*, (U.S. Department of Energy [DOE] December 2013)

1.3 Installation Description

The 186 ARW is located at Key Field in Meridian, Mississippi. According to ANG personnel, there are no Geographically Separated Units (GSUs) associated with the 186 ARW. Significant features of the installation include office buildings, hangars for storage and maintenance of aircraft, fuel-storage and fuel-dispensing systems, equipment storage and maintenance facilities for AGE, and on- and off-highway vehicles and equipment. The 186 ARW operated eight KC-135R and one C-26 aircraft in 2013. However, all eight KC-135R aircraft were not stationed at Key Field for all of CY 2013. This resulted in reduced aircraft operations during 2013. The primary mission of the 186 ARW is to provide air-to-air refueling support to current operational missions of the USAF and provide air refueling to tactical, strategic, and airlift aircraft.

1.4 Air Quality Status

As indicated above, the installation is under the jurisdiction of the MDEQ, which is responsible for developing and enforcing regulations for air quality control, permitting, and emissions inventory reporting for the region.

The air quality of the area is measured in comparison to the EPA's national ambient air quality standards (NAAQS) which have been established for the six "criteria" pollutants: ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), respirable particulate matter (PM) less than or equal to 10 micrometers in diameter (PM_{10}) and less than 2.5 microns in diameter ($PM_{2.5}$), sulfur oxides (SO_x), and lead (Pb). O_3 is a secondary pollutant formed in the atmosphere by photochemical reactions of previously emitted pollutants, or precursors. O_3 precursors are mainly volatile organic compounds (VOCs) and nitrogen oxides (NO_x). Thus, VOC emissions from various sources of emissions are included in this AEI. Areas of a state where air pollution levels meet the NAAQS are designated as "attainment," while those areas where air pollution levels persistently exceed the NAAQS are designated as "nonattainment." Depending on the severity of the measured exceedances for an area, a nonattainment area can be further classified as marginal, moderate, serious, severe, or extreme, with extreme being the highest level of NAAQS nonattainment.

The 186 ARW is located in Lauderdale County, MS, which is classified by the EPA as an attainment area of the NAAQS for all criteria pollutants. Consequently, under Title V, the major source threshold for each criteria pollutant (CO, NO_x, VOC, SO_x, and PM_{10}) is 100 tons per year (tpy). Currently, there are no regulatory thresholds for $PM_{2.5}$ in the Title V regulation.

Air toxics that can result in health impacts to the public are also regulated by EPA. Section 112 of the CAAA contains a mandate for EPA to evaluate and control emissions of HAPs. Section 112(b)(1) includes an initial list of HAPs that is composed of specific chemical compounds and compound classes to be used to identify source categories for which EPA would promulgate emissions standards. EPA periodically must review the list of HAPs and, where appropriate, revise this list by rule. The latest revision to the list occurred on

December 19, 2005, when EPA removed methyl ethyl ketone from the list of regulated HAPs. Currently, there are 187 listed HAPs. A facility is considered to be a major source of HAPs if it emits 10 tpy of a single HAP or 25 tpy of a combination of HAPs.

Although there is no established emission threshold for $PM_{2.5}$ in the Title V regulation, the emissions are presented in this inventory for informational purposes, and potentially to support the analysis of future EPA regulations for the newly established $PM_{2.5}$ standard.

1.5 Air Operating Permit Status

For CY 2013, the potential emissions from the 186 ARW were well below the Title V major source thresholds for both criteria pollutants and HAPs. Therefore, the installation is not required to hold a Title V operating permit.

Up until the middle of 2008, the 186 ARW held a SMOP which required the installation to submit an AEI annually, demonstrating compliance with the permit and no significant increase in emissions. In a 9 July 2008 letter, MDEQ declared that the installation is a true minor source and deemed that it no longer needs to hold a SMOP. Currently, the 186 ARW does not hold any equipment-specific air permits. Regulation APC-S-2 (Permits) sets the requirements for operating permits for air pollution sources. Exemptions from obtaining operating permits are included in Regulation APC-S-2 Section XIII. All of the equipment in operation in 2008 at the 186 ARW appear to be exempt and does not require equipment-specific permits (see Section 6 for a detailed discussion).

The installation should always check with MDEQ *prior* to bringing any new equipment or starting a new operation at the installation, especially if the emission source is not specifically exempted by MDEQ (see list in APC-S-2 Sections XIII (D) and (E)) in order to ensure that the emission source does not require a permit to construct and or a permit to operate.

1.6 Report Organization

The following describes the organization for the remainder of this report:

- Section 2 – Actual and potential emission calculations and emissions estimation methodologies for stationary sources
- Section 3 – Actual emissions and emission estimation methodologies for ODSs
- Section 4 – Actual emissions and emission estimation methodologies for mobile sources
- Section 5 – Actual and potential emission calculations and emission estimation methodologies for GHGs
- Section 6 – Regulatory compliance review summary
- Appendix A – APIMS Air Emissions Tables for Stationary Sources
- Appendix B – APIMS Air Emissions Tables for Mobile Sources
- Appendix C –Supplementary Calculation Tables for Indirect GHG Sources
- Appendix D – Data Source Detail and Data Collection Forms.

2.0 Stationary Sources

This section summarizes operations and emissions of all stationary sources that were in operation in CY 2013 at the MS ANG, 186 ARW. The discussion covers combustion sources, fuel storage and fuel transfer sources, and various operational sources, including chemical use. Actual and potential emissions of criteria pollutants by emission source category are summarized in Tables 2-1 and 2-2, respectively. Detailed facility HAP emissions from stationary sources are shown in Appendix A of this document.

Estimates for both actual and potential emissions from stationary sources at the 186 ARW were developed using APIMS for this CY 2013 AEI. Emissions of NO_x, CO, VOCs, SO_x, PM_{10}, $PM_{2.5}$ and HAPs were calculated for each emission source category. Although there is no established emission threshold for $PM_{2.5}$ in the Title V regulation, the emissions are presented in this AEI for informational purposes, and to potentially support the analysis of upcoming EPA regulations for the newly established $PM_{2.5}$ standard.

The emission factors and detailed calculations for all stationary sources at the 186 ARW are identified in APIMS Calculation Reference and Pollutant Summary Reports presented in Appendix A.

Potential emissions for production–related sources (such as chemical use) where maximum operational constraints are not easily calculated according to a full 24-hour/365-day operation were calculated using the USAF/ANG methodology of scaling the actual emissions using an operational factor of 8,760/2,272 to calculate PTE. The installation operated a standard work schedule in 2013 consisting of 40 hours per week work period, with two 8-hour weekend days per month, which equated to a total of 2,272 hours per year. PTE calculations for emergency generators were calculated following the EPA policy of 500 hours per year, which is acceptable to the State agency. PTE for external combustion sources were calculated using the maximum potential annual run time of 8,760 hours per year.

Table 2-1
Stationary Sources Actual Criteria Pollutant Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Actual Emissions (tons/year)						
Code	**Name**	**CO**	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**SO_x**	**VOCs**	**HAPs**
ABCL	Abrasive Blasting	-	-	0.000	0.000	-	-	-
AST	Aboveground Storage Tank	-	-	-	-	-	0.580	0.101
CHEM	Miscellaneous Chemical Use	-	-	0.005	0.005	-	0.631	0.033
DEGR	Solvent Degreasing	-	-	-	-	-	0.010	-
ECOM	External Combustion	0.338	0.477	0.037	0.037	0.003	0.027	0.057
FDSP	Fuel Dispensing	-	-	-	-	-	0.080	0.054
FLD	Fuel Loading	-	-	-	-	-	0.018	0.018
ICOM	Internal Combustion	0.287	0.733	0.046	0.046	0.042	0.067	0.012
PEST	Pesticide Usage	-	-	-	-	-	-	-
WELD	Welding Operations	-	-	0.002	0.002	-	-	0.000
WOOD	Woodworking	-	-	0.009	0.009	-	-	-
	Total, Stationary Sources	**0.625**	**1.209**	**0.100**	**0.100**	**0.045**	**1.412**	**0.274**

Table 2-2
Stationary Sources Potential Criteria Pollutant Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Potential Emissions (tons/year)						
Code	**Name**	**CO**	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**SO_x**	**VOCs**	**HAPs**
ABCL	Abrasive Blasting	-	-	0.0002	0.0002	-	-	-
AST	Aboveground Storage Tank	-	-	-	-	-	2.236	0.390
CHEM	Miscellaneous Chemical Use	-	-	0.021	0.021	-	2.433	0.126
DEGR	Solvent Degreasing	-	-	-	-	-	0.037	-
ECOM	External Combustion	1.302	1.838	0.143	0.143	0.011	0.103	0.170
FDSP	Fuel Dispensing	-	-	-	-	-	0.308	0.209
FLD	Fuel Loading	-	-	-	-	-	0.068	0.068
ICOM	Internal Combustion	3.690	16.921	1.199	1.199	1.117	1.370	0.015
PEST	Pesticide Usage	-	-	-	-	-	-	-
WELD	Welding Operations	-	-	0.009	0.009	-	-	-
WOOD	Woodworking	-	-	0.036	0.036	-	-	-
	Total, Stationary Sources	**4.992**	**18.759**	**1.407**	**1.407**	**1.128**	**6.555**	**0.978**

2.1 Combustion Sources

2.1.1 External Combustion

The APIMS External Combustion (ECOM) source category accounted for the emissions of all heating units in operation at the 186 ARW during CY 2013. Heating units operating at the 186 ARW during CY 2013 were fired with natural gas. They included 83 natural gas-fired boilers with a rated heat input less than 0.3 million British Thermal Units per hour (MMBtu/hr) and 22 natural gas-fired units with a rated heat input between 0.3 and 100 MMBtu/hr.

The Industrial, Commercial, and Institutional Boilers at area sources (40 CFR Part 63 Subpart JJJJJJ), also known as the Boiler MACT rule for area sources, applies to the installation's ECOM units. Refer to Section 6.2.2 for additional information.

The installation provided the facility-wide consumption of natural gas during CY 2013 in million cubic feet (MMCUF) for natural gas fired units; and the capacities in million British Thermal Units (MMBTU) and locations of all boilers and water heaters. Stationary external combustion devices (included in APIMS) are currently entered into the database by broad capacity classifications in accordance with the APIMS Implementation Plan for the ANG. The annual usage of natural gas for each class of heating unit (i.e., for units less than 0.3 MMBtu/hr and units greater than 0.3 MMBtu/hr but less than 100 MMBtu/hr) was estimated according to the associated unit class's percentage of the total rated heat input capacity for heating units at the installation.

The APIMS algorithm used to calculate criteria pollutant and HAP emissions for ECOM sources fired with natural gas was:

*Emission Factor (lb/MMCUF)*Consumption (MMCUF/yr) = lb pollutant/yr*

APIMS ECOM emission factors (EF) are in pounds (lb) per MMCUF for natural gas units. EFs for natural gas units were obtained from AP-42, Subsection 1.4, Tables 1.4-1, 1.4-2, 1.4-2 and 1.4-3; EPAs Factor Information Retrieval System (FIRE) Standard Source Classification Code (SCC) 10200603; and the Ventura County Air Pollution Control District, Natural Gas Fired External Combustion Equipment information. The emission factors have been adopted by EPA.

As mentioned above, potential emissions from ECOM devices were calculated assuming that all boilers were in use for the entire year. The maximum annual usage for each class of boilers (< 0.3MMBtu and ≥ 0.3MMBtu) was determined using the rated heat input (Btu/hr) from all ECOM devices in each class multiplied by the hours in a year (8,760 hours) divided by the heat content of natural gas (1,020 Btu/CUF). Due to the comparatively small capacity and hours of operation, emissions from room heaters, ovens, and fryers generally are considered negligible and were not included in the total rated heat input. The same calculation methods and emission factors used to calculate actual emissions were then applied to the potential natural gas usage to determine potential ECOM emissions.

2.1.2 Internal Combustion

During CY 2013, a total of 19 diesel-fired and 4 natural gas-fired stationary internal combustion engines (ICE) operated at the installation. All of the equipment is used for emergency purposes and each unit is operated for testing purposes for less than 100 hours per year. Emissions for all stationary ICEs are accounted for under the Internal Combustion (ICOM) APIMS source category. Civil engineering staff provided the rating (in kilowatt [kW] or horsepower [hp]) and the run time for all engines.

The Reciprocating Internal Combustion Engine (RICE) NESHAP (40 CFR Part 63 Subpart ZZZZ) regulation applies to the installation's ICOM. Emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing; limited to 100 hours per year. There is no time limit on the use of emergency stationary engines in emergency situations. Moreover, there are management practices that will apply to emergency engines, which took effect on May 3, 2013. Refer to Sections 6.2.2 and 6.3 for additional information.

The APIMS algorithm used to calculate criteria pollutants from diesel-fired ICE was:

Peak Demand (kW) x 1.341 x Run Time (hr/yr) / 1,000 x EF (lb/MHPHR) = lb pollutant/yr

The factor of 1.341 is used to convert listed generator rating (kW) into HP. The EFs used for calculating emissions for all ICEs are in pounds per thousand horse-power hours (lb/MHPHR). Diesel EFs were obtained from AP-42, Subsection 3.3, Table 3.3-1. Per AP-42 guidance emitted PM was assumed to be less than 1 micrometer in diameter (the PM emission factor applies to both PM_{10} and $PM_{2.5}$). Different emission factors are provided for engines greater than (>) 600 hp and for engines that are equal to or less than (≤) 600 hp. Actual HAP emissions from ICSs were calculated using the same algorithm as criteria pollutants. HAP EFs for diesel ICEs were found in the AP-42, Subsection 3.3, Tables 3.3-2 (for engines less than or equal to 600 hp) and 3.4-1 (for engines greater than 600 hp); VEN Diesel Combustion Factors; and FIRE SCC 20200201.

Actual criteria pollutant emissions for the natural gas-fired ICSs were calculated using the CY 2013 fuel usage. The APIMS algorithm used to calculate criteria pollutant emissions for natural gas-fired ICE was:

*EF (lb/MMCUF)*Consumption (CUF) / 1,000,000 = lb pollutant/yr*

APIMS Criteria Pollutant Emission factors for the natural gas-fired ICSs are in lb/MMCUF and were obtained from AP-42, Subsection 3.1, Table 3.1-1. Per AP-42, PM was assumed less than 1 micrometer in diameter (the PM emission factor applies to both PM_{10} and $PM_{2.5}$).

Actual HAP emissions from natural gas ICSs were calculated using EPA emission factors from AP-42, Subsection 3.1, Tables 3.1-2a and 3.1-3 and FIRE SCC 20200201. The HAP emission factors are provided by APIMS in lb/MMCUF.

The potential emissions for ICOM devices were calculated using EPA's policy of 500 hours per year. The same calculation methods and emission factors used to calculate actual emissions were applied to the potential usage information to determine potential emissions.

2.2 Fuel Storage and Transfer

2.2.1 Fuel Storage Tanks

The 186 ARW had several storage tanks that were used for storing petroleum fuel products (i.e., JP-8, diesel fuel, and gasoline) in operation in CY 2013. They included five aboveground horizontal fixed roof tanks used to store gasoline and diesel; and two external floating roof tanks that were used for storing JP-8 fuel. In addition, the installation operates and maintains refueling tanker trucks that are used to transport fuel to aircraft.

Emissions from fuel storage tanks are accounted for under the Above Ground Storage Tanks (AST) APIMS source category. Working and breathing losses from fuel storage tanks result in VOC and HAP emissions. Working losses refer to the emissions from receiving fuel. Standing or breathing losses are primarily due to temperature changes and refer to losses from the evaporation of the fuel from the storage tank. These emissions generally are released through vents or other mechanisms. Installation personnel provided details on the various tanks and their throughput during 2013.

VOC and HAP emissions were calculated based on the methodologies presented in EPA's AP-42, Section 7. The EPA-established emission estimation equations for calculating emissions from fuel storage tanks were developed by the American Petroleum Institute. They are quite complex and are specific to the type of storage tank used. In general, the equations calculate the working and standing losses from storage tanks, which are summed to provide the total emissions associated with a specific storage tank. The APIMS database was used to calculate emissions from fuel storage and transfer; APIMS emulates EPA's TANKS 4.09 program by using equations presented in AP-42, Section 7. Emissions from the storage tanks are based on the tank dimensions, product throughput, local climate, and characteristics of the stored products. Data regarding tank dimensions and product throughput were supplied by base personnel. Actual emissions were calculated for VOCs on the basis of actual use of each type of fuel in CY 2013.

As discussed above potential criteria and HAP pollutant emissions from fuel storage tanks are calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.2.2 Fuel Transfer

Fuel transfer operations involve the loading of fuel into fuel storage tanks, tanker trucks, aircraft, and vehicles and/or equipment. CY 2012 fuel transfer emissions at the 186 ARW are accounted for under the Fuel Dispensing (FDSP) and Fuel Loading (FLD) APIMS source categories. Emissions from fuel transfer from storage tanks to vehicles, equipment, AGE, and fuel bowsers are accounted for in FDSP source category. The FLD category covers emissions from the loading of fuel into tanker trucks, aircraft, and storage tanks.

As liquid fuel is loaded into a source (e.g., into the main storage tanks, a tanker truck cargo tank, an aircraft tank, a vehicle/equipment tank, or a bowser), vapors are displaced and emitted into the atmosphere. The amount of emissions released is dependent on several factors such as the type of fuel being transferred, temperature, and the loading method as described below. Working losses will occur from fuel transfer during the loading of fuel storage tanks, tanker trucks, vehicles, equipment, and aircraft refueling. Installation personnel provided the amount and method of fuel loaded during CY 2013.

Diesel fuel emissions were calculated for filling the diesel storage tank and for transferring diesel fuel at the service station to vehicles and equipment. Emissions from gasoline transfer are discussed below. The emissions of concern from fuel transfer operations include both VOCs and organic HAPs.

Fuel transfer emissions were calculated following the procedures in Section 14 of the AFCEE's Air Emissions Factor Guide to Air Force Stationary Sources, Methods for Estimating Emissions of Air Pollutants for Stationary Sources at U.S. Air Force Installations (December 2009).

The APIMS algorithm used to calculate FDSP emissions was:

*EF (lb/gal)*Consumption (gal) = lb pollutant/yr*

The APIMS algorithm used to calculate FLD emissions was:

*0.01246*EF (lb/yr)*Consumption (gal)*VaporPressure (psi)*MolecularWeight (lb/lb-mole)/ [FuelTemperature (ºF)+459.67] = lb pollutant/yr*

The factor of 0.01246 is derived from the EPA's constant (12.46) for fuel transfer equation and default control and capture efficiencies. APIMS emission factors used for fuel transfer operations are in lbs per gallon (gal) and are from the Air Forces Air Quality Utility Information System (AQUIS) Table E-5.

As discussed above potential criteria and HAP pollutant emissions from fuel transfer operations are calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.2.3 Gasoline Loading

Gasoline is stored and dispensed from the gasoline service station gasoline tank, which is an aboveground horizontal fixed roof tank located next to Building 126. Installation personnel provided the amount of gasoline added to the storage tank and was dispensed into assigned vehicles and equipment in CY 2013. Emissions from gasoline storage and dispensing are the sum of the emissions from the storage tank (working and standing), filling operations by suppliers' tanker trucks, and vehicle refueling (gasoline dispensing) operation.

Storage tank working and breathing losses are accounted for under fuel storage tank emissions. Vehicle refueling losses come primarily from vapors displaced from the automobile tank by the dispensed gasoline. The quantity of displaced vapors depends on gasoline temperature, auto tank temperature, gasoline Reid vapor pressure (RVP), and

dispensing rate. Emissions from automobile refueling include the displacement losses and spillage losses. Gasoline loading emissions were calculated using the methods applied to emissions from fuel transfer.

The gasoline dispensing facility (GDF) NESHAP (40 CFR Part 63 Subpart CCCCCC) applies to the installation's fuel dispensing operation. The installation is required to comply with the requirements of the GDF NESHAP. In 2013, the 186 ARW had a monthly gasoline throughput which is less than 10,000 gallons per month. Specifically, based on its low monthly throughput (< 10,000 gallons per month), the GDF is required to minimize spills, clean up spills expeditiously, cover gasoline containers and storage tank fill pipes with a gasketed seal, and minimize gasoline sent to open collection systems. There are no reporting requirements for this GDF other than having documentation to prove that the monthly throughput is under the 10,000 gallon per month threshold. Refer to Section 6.2.1 for additional information.

2.3 Operational Sources

Air pollutants are released to the air from various operational sources, such as general chemical use in shops, including solvents, cleaners, antifreeze, adhesives, and other products that contain VOCs and HAPs. The pollutants generally are volatilized into the ambient air when the products are consumed. Operational sources at the 186 ARW that resulted in emissions in 2013 included: miscellaneous chemical use, solvent cleaning, painting operations, welding, wood working, abrasive blasting, and pesticide use. As stated above, potential emissions for all operational sources were calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.3.1 Miscellaneous Chemical Usage

The APIMS code for the miscellaneous chemical use source category is CHEM. Chemicals such as paints, solvents, cleaners, antifreeze, adhesives, and other products that contain VOCs and HAPs are used by installation personnel in the operation and maintenance of aircraft, equipment, and facilities. In accordance with Air Force Instruction (AFI) 32-7086, ANG installations are required to track the storage and usage of general chemicals that contain hazardous chemicals and those that contain ODSs and refrigerants, in a USAF approved database such as the Enterprise Environmental Safety and Occupational Health Management Informational System (EESOH-MIS).

In 2013, records of the chemicals purchased by various shops were maintained by the Base HAZMART utilizing EESOH-MIS. The Base HAZMART tracks the materials used by stock number and shop, which provides a breakdown of combined actual use of each chemical constituent based on Material Safety Data Sheet (MSDS) information. Material issues are considered completely consumed upon issue. EESOH-MIS tracks storage and usage of chemicals, including those that contain VOCs, HAPs, ODSs and other refrigerants. It is recommended that the installation continue to use the EESOH-MIS to track storage and usage of chemicals, including those that contain ODSs and refrigerants.

APIMS obtained the chemical usage and weight percentages of HAPs (WTPCTHAP) directly from EESOH-MIS. The APIMS algorithm used to calculate emissions of VOCs and organic HAPs was:

*Consumption (lb/yr)*VOC or HAP Content/100 = lb pollutant/yr*

The APIMS algorithm used to calculate emissions from inorganic HAPs was:

*Consumption (lb/yr)*WTPCTHAP/100*(1-Transfer Efficiency/100) = lb pollutant/yr*

As discussed above potential criteria and HAP pollutant emissions from chemical use were calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.3.2 Abrasive Cleaning

The APIMS source category code for abrasive cleaning is ABCL. There were four small, fully-enclosed, abrasive blasting units in operation at the installation in 2013. These confined abrasive blasting units can be used occasionally during maintenance of equipment and for preparing them for painting. Only one of the units was operated during 2013, this was due to decreased operations from deployed aircraft. All of the units are equipped with particulate controls. The installation indicated that an estimated 99% of the particulate emissions are captured by the control systems.

Installation personnel provided the amount of waste collected and the control efficiency for the unit. The quantity of blast media waste collected and the efficiency of the control equipment were used to calculate the actual emissions from the abrasive blasting operation. The airborne dust is assumed to be $PM_{2.5}$; therefore, the particulate emissions apply to both PM_{10} and $PM_{2.5}$. The methodology used by APIMS to calculate emissions from abrasive blasting was obtained from the AFCEE Guidance Document for Calculating Emissions from Stationary Sources at Air Force Installations. The APIMS algorithm used to calculate particulate emissions from abrasive blasting units at the 186 ARW was:

Waste Collected (lb/yr)(100/Control Efficiency – 1) = lb PM/yr*

HAP emissions can result from abrasive blasting operations as result of the paint or coating being stripped, which could contain inorganic HAPs such as chromium, lead, cadmium, or other metals. However, due to the minimal amount of emissions from abrasive blasting at the 186 ARW, the HAP emissions were not calculated for this AEI as they are considered to be de minimis.

As discussed above potential criteria and HAP pollutant emissions from abrasive cleaning were calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.3.3 Solvent Cleaning Degreasers

The emissions from these cleaning units were not accounted for under general chemical usage to avoid double counting of the emissions.

The APIMS source category for solvent cleaning degreasers is Solvent Degreasing (DEGR). During 2013, 14 degreasing stations were in operation at the 186 ARW. Installation personnel indicated that Safety-Kleen Premium and Inland 921 solvents were used in the solvent cleaning units in 2013. VOC and HAP emissions result from the evaporation of solvent in the dip tanks primarily while they are being used. The amount of solvent that evaporated during the year was assumed to be the difference between the amount added and the amount removed from the tanks. Installation personnel provided the amount of the solvent added and removed for each tank and the MSDSs for all solvents used during 2013. The methodology used by APIMS to calculate emissions from surface cleaning degreasers was obtained from the AFCEE Guidance Document for Calculating Emissions from Stationary Sources at Air Force Installations. The APIMS algorithm used to calculate VOC emissions from degreasing operations at the installation was:

*Net Consumption (gal/yr)*Density (lb/gal)*VOC Content/100 = lb VOC/yr*

The MSDSs for the solvents used by 186 ARW during CY 2013 indicated that they did not contain significant amounts of HAPs. Thus, HAP emissions were not quantified for this source category.

As discussed above potential criteria and HAP pollutant emissions from solvent cleaning were calculated by applying a ratio of 8,760/2,272 to the actual emissions.

2.3.4 Welding

The APIMS code for the welding source category is WELD. Welding occurs in various shops throughout the installation. The installation used metal inert gas (MIG or GMAW) and shield metal arc welding (SMAW) welding during CY 2013. APIMS obtained the amount of welding material used during 2013 from EESOH-MIS. Additionally, the usage of welding material that is not entered into EESOH-MIS and the efficiencies of any control equipment used were provided by installation personnel. The fume factors for the various types of rods/wire used during 2013 were obtained from AP-42 Chapter 12, Table 12.19-1. In instances where emission factors for some type of electrode used at the installation were not available, emission factors for the common electrode type E70S were used as a substitute.

APIMS based the calculation on the MSDS information regarding the properties of the materials used. The APIMS algorithm used to calculate the installations 2013 welding PM emissions was:

*Net Consumption (lb rod or wire/yr)*Fume Factor (lb/1,000 lb rod or wire)/1,000 = lb PM/yr*

Due to the limited amount of welding which occurred on base during 2013, and the low HAP content of the welding materials the HAP emissions from welding were considered to be de minimis and were not calculated for this AEI.

2.3.5 Pesticide Application

The APIMS code for the Pesticide source category is PEST. The installation's pest contractor utilized pesticides in 2013 to control insects and termites. Herbicide usage by the installation

is also accounted for in the PEST source category. Emissions of VOCs and HAPs occur as a result of the evaporation of the organic ingredients in the pesticides and herbicides used. The MSDSs and amount used during 2013 of all pesticides and herbicides was provided by installation personnel.

APIMS based the calculation of VOC emissions from pesticide usage off of the MSDS properties of each material used. The APIMS algorithm used to calculate emissions from pesticide usage during 2013 was:

*VOC WTPRCT/100*Consumption (lb/yr) = lb VOC/yr*

The MSDSs for the various pesticides and herbicides indicated that they did not contain significant amounts of HAPs.

2.3.6 Surface Coating

Emissions from painting operations were not included in the totals for chemical usage to avoid double-counting of these emissions.

The APIMS code for the Surface Coating source category is SURF. Painting at the 186 ARW generally occurs in the Sheet Metal Corrosion shop located in the hanger. Paint usage data are available from the EESOH-MIS issue data. Paint usage data from the EESOH-MIS is generally a conservative surrogate for paint usage as it assumes that all materials issued during 2013 were consumed in 2013.

APIMS based the calculation of emissions from surface coating based on the MSDS properties of each material used. The APIMS algorithm used to calculate organic HAP and VOC emissions from surface coating during 2013 was:

*Consumption (lb/yr)*Constituent/100 = lb pollutant/yr*

The APIMS algorithm used to calculate particulate and inorganic HAP emissions from surface coating during 2013 was:

*Consumption (lb/yr)*Constituent/100*(1-Transfer Efficiency/100) = lb pollutant/yr*

The APIMS algorithm used to calculate PM and inorganic HAP emissions from surface coating operations at the 186 ARW during 2013 was:

*Consumption (lb/yr)*Constituent/100*(1 – Transfer Efficiency/100)*(1 – Control Efficiency) = lb pollutant/yr*

During CY 2013, due to the fact that the aircraft were deployed minimal painting activities occurred at the 186 ARW and there were no paints purchased and tracked in EESOHMIS. Thus, no emissions from painting in 2013 are identified in APIMs.

2.3.7 Woodworking

The APIMS code for the Woodworking source category is WOOD. During 2013 the installation operated a carpenter shop which conducted various woodworking operations. Equipment in the shop consisted of various types of saws and sanders, planes, and lathes. The shop is equipped with a collection system that routes particulates from an operation to a cyclone control system. Installation personnel provided the amount of sawdust collected during 2013 and the control efficiencies of the cyclone used at their woodworking shop.

APIMS uses a mass balance approach to calculate PM emissions from woodworking. The algorithm used to calculate the 186 ARW 2013 woodworking emissions in APIMS was:

Waste Collected (lb/yr)(100/Control Efficiency-1) = lb PM/yr*

There are no HAP emissions from woodworking activities.

As discussed above potential criteria pollutant emissions from woodworking were calculated by applying a ratio of 8,760/2,272 to the actual emissions.

3.0 Ozone Depleting Substances (ODS)

The United Nations Environment Program (UNEP) initiated a series of meetings starting in 1982 that culminated in the passage of an international agreement for controlling the production and trade of ODSs. The agreement is the Montreal Protocol on Substances that Deplete the Ozone Layer. It was signed in 1987 and amended in 1990 (London Amendments) and 1992 (Copenhagen Amendments). The United States is a signatory of the Montreal Protocol and its amendments. Under Title VI of the Clean Air Act (CAA), EPA's Stratospheric Protection Division is responsible for several programs to protect the stratospheric ozone layer, and to provide a smooth transition from using ODSs. An important difference between the Montreal Protocol and the CAA is that the U.S. program goes beyond restricting production of ODSs by establishing stringent controls on commercial and industrial use of ODSs.

There are no thresholds or emission limits for ODSs. The requirements fall primarily on manufacturers and importers of ODSs and on those who maintain systems that contain ODSs. The USAF goal is to manage the inventory of regulated refrigerants and air conditioner equipment to provide uninterrupted mission support while operating equipment until the end of its economic life. The recently released AF Pamphlet (AFPAM) 32-7089 replaces the 1994 Air Force Refrigerant Management Handbook that provided information and guidance for setting up Base Refrigerant Management Programs (BRMP) throughout the Air Force. The original program focused on objective of chlorofluorocarbon (CFC) refrigerants with guidance on future issues associated with refrigerant management. The original program extended the availability of existing refrigerant supplies and prioritized equipment retirement. Defense Logistics Agency (DLA) has created the Strategic Defense Reserve for ODS in Richmond, Virginia, for CFCs and Halons, in which excess refrigerants were turned in to be managed and rationed out according to need. The new AFPAM publication provides the base civil engineer and staff with a systematic approach to meet the requirements of the BRMP. This publication also includes steps to meet daily and annual record-keeping requirements through the Refrigerant Management System (RMS).

There are requirements that apply to manufacturers and importers of ODSs, and on trained individuals who maintain systems that contain ODSs. Per federal regulations (40 CFR Part 82), owners or operators of equipment which that contain 50 pounds or greater of ODSs are required to repair leaks such that the leak rate is below 15 percent per year. Documentation of equipment repairs and ODS-replacement records must be maintained for 2 years for equipment containing greater than 50 pounds of ODSs.

ODSs emissions are calculated according to the assumption that the net volume of ODS *added* to a particular piece of equipment during the year was to replace, on a one-to-one basis, ODSs which had evaporated/lost to the atmosphere.

Based on the data collected from the installation, there were several pieces of HVAC equipment at the installation in 2013 that contain more than 50 lbs of Class II ODS. Records are maintained at the installation to estimate the overall usage of ODS from equipment repair.

ODSs may be constituents in some aerosol can products that are used for vehicle maintenance or other purposes. Records of chemicals issued to shops are maintained by the Base HAZMART, which tracks the materials used by stock number and shop within the EESOH-MIS database. All of the chemicals used at the 186 ARW are tracked using EESOH-MIS program, in accordance with USAF requirements, which can ultimately generate reports containing a full inventory of potential ODS-emitting compounds.

The 2013 AEI shows that 51.5 lbs of a Class II ODS (HCFC-22) were emitted from the installation in 2013 from comfort equipment. There were no emissions of ODSs or ODS substitutes related to general chemical usage from the 186 ARW in CY 2013, which is tracked in EESOH-MIS. CY 2013 ODS emissions at the 186 ARW are presented below in Table 3-1.

Table 3-1
Summary of ODS Emissions
186 ARW, Mississippi ANG, Meridian, MS

Ozone Depleting Substance (ODS)	Total ODS Emissions (lb/year)
Class I Totals	**0**
HCFC-22	**51.5**
Class II Totals	**51.5**
Total ODSs	**51.5**

4.0 Mobile Sources

Mobile sources can be a significant component of the installation's total emissions and require major consideration in performing a conformity analysis. Thus, actual emissions from mobile sources at the 186 ARW are included in this AEI to present a full assessment of the installation's air emissions. Since mobile source emissions are not included in a Title V determination, HAP emissions from mobile sources do not need to be quantified. However, HAP emission estimates were developed in APIMS for mobile sources for informational purposes and are included along with the criteria pollutant emissions in Appendix B.

Mobile sources that were in operation at the 186 ARW during 2013 included on- and off-road vehicles and equipment, aircraft operations and AGE. The emission factors and detailed calculations for all mobile sources at the 186 ARW are identified in APIMS Calculation Reference and Pollutant Summary Reports presented in Appendix B. This section of the report summarizes all mobile sources of the emissions operating at the 186 ARW during CY 2013. Actual emissions of criteria pollutants by emission mobile source category are presented in Table 4-1.

Table 4-1
Mobile Sources Actual Criteria Pollutants Summary
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Actual Emissions (tons/year)						
Code	**Name**	**CO**	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**SO_x**	**VOCs**	**HAPs**
AGE	Aerospace Ground Equipment	1.006	1.364	0.097	0.097	0.089	0.138	0.003
AOPS	Aircraft Operations	3.035	5.487	0.866	0.866	0.163	0.297	0.094
VEHE	Vehicle Operations	12.977	1.444	0.080	0.080	0.098	0.799	0.036
Total, Mobile Sources, tons/year		**17.017**	**8.294**	**1.043**	**1.043**	**0.349**	**1.235**	**0.133**

4.1 Vehicle Operation

The installation is required to implement the vehicle idling requirements in accordance with AFI 24-302, 11.9 (dated 26 June 2012). Emissions from all on-road and off-road vehicle operations at the 186 ARW during 2013 were accounted for under the Vehicle Operations (VEHE) APIMS source category. Vehicle operations at the 186 ARW in CY 2013 consisted of both on- and off-road government owned vehicles (GOVs) and on-road privately owned vehicles (POVs). The installation provided estimates of the on-base mileage during 2013 for the on-road GOVs. Personnel numbers and the average distance from the front gate to a central parking spot were provided by installation staff to estimate on-base POV emissions. Fuel usage was provided by vehicle maintenance personnel to estimate emissions from off-road equipment.

The on-road GOVs in the 186 ARW fleet are a mix of light- and heavy-duty gasoline- and diesel-powered vehicles. POVs include vehicles owned by both daily employees and

weekend personnel. Ratios from Table 5-2 (Typical POV & GOV Vehicle Mix) of the AFCEE's *Air Emissions Guide for Air Force Mobile Sources* and the personnel numbers provided by the installation were used to estimate the number each type of POV used on base during 2013. APIMS obtained formula and emission factors used to calculate emissions from on-road vehicles from the AFCEE's *Air Emissions Guide for Air Force Mobile Sources*. The APIMS algorithm used to calculate emissions from on-road vehicles was:

*EF(g/mi)*Vehicle Miles Traveled (mi/yr)*0.002205 = lb pollutant/yr*

Off-road vehicles and equipment (e.g., backhoes, forklifts) were also in operation in at the 186 ARW during 2013. APIMS utilized formulas and emission factors from the AFCEE's *Air Emissions Guide for Air Force Mobile Sources* to calculate emissions from off-road vehicle operations. Emission factors were provided in pounds per 1,000 gallons of fuel used and installation personnel provided the annual fuel usage of off-road vehicles. The APIMS algorithm used to calculate emissions from on-road vehicles was:

*EF (lb/1,000 gal)*Consumption (gal/yr)/1,000 = lb pollutant/yr*

The same methods that were used to calculate criteria pollutant emissions from on and off-road vehicles were used to calculate HAP emissions.

4.2 Aerospace Ground Equipment (AGE)

In 1996, the D.C. Court of Appeals issued a decision that required EPA to regulate AGE as a mobile source. That year, a memorandum was issued by the Chief of the Air Force Legal Services Agency stating that AGE would therefore be considered mobile sources at military installations. The AFCEE and the NGB JA recently concurred that the 1996 interpretation is still valid. Therefore, in this AEI, AGE are considered to be mobile sources in accordance with USAF and NGB JA guidance.

AGE typically includes equipment such as compressors, generators, heaters, pressure washers, and hydraulic test stands. The AGE operated by the 186 ARW in CY 2013 used diesel fuel. A complete inventory of the AGE that operated at the installation during CY 2013, including number of units, hours of operation, and engine ratings was provided by the 186 ARW.

The APIMS algorithm used to calculate criteria pollutant emissions from diesel-fired AGE was:

Peak Demand (kW) x 1.341 x Run Time (hr/yr) / 1,000 x EF (lb/MHPHR) = lb pollutant/yr

The factor of 1.341 is used to convert kW into HP since the equipment rating is listed in kW. The emission factors used were obtained from AP-42, Subsection 3.3, Table 3.3-1 and from FIRE, Version 6.23 SCC 23000102. Per AP-42, emitted PM was assumed to be less than 1 micrometer in diameter (the PM emission factor applies to both PM_{10} and $PM_{2.5}$).

Actual HAP emissions from AGE were calculated using the same method as criteria pollutants using EPA emission factors from AP-42, Subsection 3.3, Tables 3.3-2a and FIRE Version 6.23 SCC 23000102.

4.3 Aircraft Operations

In 2013, one RC-26 and seven KC-135 aircraft were assigned to the 186 ARW. The KC-135 aircraft were deployed for most of the year and started to arrive back in August. ANG personnel indicated that the KC-135 aircraft use four F108-CF-100 engines. According to the data provided by the base, the KC-135 performed eight landings and take offs (LTOs) and 278 touch and goes (TGOs) in CY 2013. However, it should be noted that operations are expected to increase in the following years.

The 2013 AEI accounted for emissions from assigned aircraft operations resulting from LTOs and TGOs of the KC-135 and RC-26, and transient aircraft operations resulting primarily in TGOs of the same types of aircraft. Emissions from the operation of auxiliary power units (APUs) for each LTO of assigned aircraft are also included in the aircraft operations source category. The APIMS code for the aircraft operations source category is AOPS. Detailed emissions from AOPS including emissions from transient aircraft are included in Appendix B of this document.

Flight operations provided estimates of the number of LTOs conducted in 2013 by KC-135s and RC-26s stationed at the 186 ARW. Additionally, the installation provided numbers of TGOs performed primarily by transient aircraft that occurred in 2013. Flight operations also provided any available information on flight-cycle fuel rates and durations for the various engine settings for each type of flying operation. When this information was not available from installation personnel or required adjustment due to inconsistencies, default flight-cycle fuel rates and durations were estimated from Tables 3-4, 3-5, and 3-7 in the draft updated Aircraft Operations Section from the Air Force Institute for Operational Health (AFIOH) *Mobile Source Emissions Guidance Document*, September 2007, as incorporated into APIMS.

An LTO cycle includes taxiing between the hangar and the runway, taking off and climbing out, approach and descent from the local pattern, followed by a touchdown and taxiing in. Each of these activities has an actual duration and associated emission factors for criteria pollutants and HAPs which are based on the engine power settings.

APIMS utilized formulas and emission factors from the AFCEE AEI Guidance Document for Mobile Sources to calculate emissions for flight operations conducted at the 186 ARW during 2013. Emission factors for various HAPs were also obtained from the California Air Resources Board's CEIDARS program and the AQUIS Manual Section 3.1.7. The algorithm used by APIMS to calculate criteria and HAP emissions from all aircraft operations was:

*Number of Engines*Time in Mode (min)/60*EF (lb/hr) = lb pollutant/yr*

5.0 Greenhouse Gas Emissions

5.1 Climate Change

The climate system can be influenced by changes in the concentration of various gases in the atmosphere, which affect the Earth's absorption of radiation. Climate change refers to a change of the earth's climate which in part, is attributed directly or indirectly to human activity that alters the composition of the global atmosphere. Climate change is evident by long-term fluctuations in temperature, precipitation, wind, and other elements of the Earth's climate system. The Intergovernmental Panel on Climate Change (IPCC) has concluded that human activities are changing the atmospheric concentrations and distributions of GHGs, and that anthropogenic activities are significant contributors to climate change.

5.2 Greenhouse Gas

As addressed in the United Nations Framework Convention on Climate Change (UNFCCC) in the Kyoto Protocol and accounted for in greenhouse gas emission inventories, the GHGs generated by human activity that are believed to be contributors to global warming are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

It should be noted that the U.S. Government has not officially adopted the Kyoto Protocol but is currently using it as a model to quantify and track GHG emissions. These GHGs have varying magnitudes of global warming potential (GWP), which is the ability of a gas or aerosol to trap heat in the atmosphere. By convention, CO_2 is assigned a GWP of 1. In comparison, according to IPCC, CH_4 has a GWP of 25, which means that it has a global warming effect 25 times greater than CO_2 on an equal-mass basis. To account for their GWP, GHG emissions are often reported as a CO_2 equivalent (CO_2e). The CO_2e for a source is calculated by multiplying each GHG emission by its GWP, and adding the results together to produce a single, combined emission rate representing the GHGs. Table 5-1 shows the GWP for various GHGs based on IPCC and EPA designations.

On January 24, 2007, President Bush signed Executive Order (EO) 13423, which requires Agencies to improve energy efficiency and reduce GHG emissions. In response to this EO, the Assistant Secretary of the USAF issued a memorandum on February 12, 2008, entitled, "Air Force Greenhouse Gas Emissions/Sequestration Inventory Initiative" stating that the USAF would assume a GHG leadership role through a host of initiatives targeting increased energy efficiency with simultaneous reductions in GHG emissions. As part of this effort, the USAF will prepare comprehensive GHG emissions inventories using both "top-down" and "bottom-up" approaches. A top-down approach examines aggregate emissions which are then divided according to the contribution of each source category. A "bottom-up" approach, on the other hand, analyzes emissions from individual sources, which are then added to obtain total emissions.

On October 5, 2009, President Barack Obama signed EO 13514, "*Federal Leadership in Environmental and Economic Performance*". This executive order builds upon the provisions set forth in EO 13423. Although EO 13514 contains specific approaches, strategies, and

recommendations for improving energy efficiency, reducing water use, promoting pollution prevention, reducing fossil fuel use, eliminating waste, and promotes sustainable procurement and construction, the main provision set forth in the EO requires federal agencies to "measure, report, and reduce their GHG emissions from direct and indirect activities" as well as develop percentage emission reduction targets. Comprehensive inventories including Scope 1, Scope 2, and specified Scope 3 emissions, on an absolute basis, for fiscal year (FY) 2010 must have been established and reported by January 2010 and annually thereafter at the end of January for the preceding fiscal year. In June 2010, the U.S. Department of Defense (DoD) announced a Scope 3 emissions reduction target of 13.5 percent by FY 2020 from the FY2 2008 baseline.

Scope 1 (direct) emissions are emissions within the base's boundary that the base owns or controls. They include the following source types:

- *Stationary Combustion* of fuels to produce electricity, steam, heat or power using equipment in a fixed location including engine testing.
- *Mobile Combustion* of fuels in transportation sources (cars, trucks, vans, and aircraft), and emissions from non-road vehicles such as aerospace ground equipment.
- *Physical and Chemical Processes and miscellaneous operations* other than fuel combustion (painting, abrasive blasting, welding, degreasing, woodworking, other chemical usage, landfills, wastewater treatment plants, etc.).
- *Fugitives emissions,* controlled or uncontrolled process emissions, such as emissions of HFCs that escape from refrigeration and cooling equipment and emissions associated with ordnance detonation.

Scope 2 (indirect) emissions only result from the use of purchased electricity, steam, and/or hot/chilled water.

Scope 3 (other indirect) emissions are emissions associated with activities on base, but occur at sources owned or controlled by another entity, such as tenant organizations. Examples of Scope 3 emissions include transportation of purchased fuels, offsite waste disposal including transport, employee commuting, and business travel.

To comply with the latest EO, ANG installations are preparing comprehensive GHG emissions inventories using a "bottom-up" approach as detailed in the newly developed *Federal Greenhouse Gas Accounting and Reporting Guidance*, to quantify Scope 1, Scope 2, and Scope 3 emissions as identified above. A "bottom-up" approach analyzes emissions from individual sources, which are then added to obtain total emissions.

This report includes an inventory of the installation's stationary and mobile source GHG emissions (Scope 1), emissions from electricity use (Scope 2), and emissions from transmission and distribution (T&D) losses from electricity use, contracted municipal solid waste (MSW) disposal, employee commuting, employee travel and contracted wastewater treatment (Scope 3). The GHG calculations in this AEI follow a "bottom-up" approach, as emissions are developed for each GHG emission source category and are then totaled to

estimate the overall facility-wide emissions of GHGs. The indirect GHGs were calculated using the newly developed Department of Energy's (DOE) *Annual GHG and Sustainability Data Report, Version 3.2* (https://www.fedcenter.gov/programs/greenhouse/inventoryreporting/fempceqresources/portal/). The formulas in the DOE emission calculation tool were modified to reflect the ANG bases unique schedule (i.e. drill weekends and weekend security personnel).

5.3 GHG Regulatory Status

On December 7, 2009 the EPA released a finding under Section 202(a) of the CAA stating that CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6 (i.e., GHGs) endanger public health and the environment, which allowed EPA to regulate GHG emissions. In May 2010, EPA issued a final rule that sets thresholds for GHG emissions that define when permits under the New Source Review (NSR), Prevention of Significant Deterioration (PSD), and Title V Operating Permit programs are required for new and existing industrial facilities. EPA had planned on phasing in the CAA permitting requirements for GHGs in multiple steps.

However, on 23 June 2014, the U.S. Supreme Court issued a ruling in the *Utility Air Regulatory Group v. United States Environmental Protection Agency (134 S.Ct.2437)* (UARG) case that EPA does not have authority under the CAA to require major source permits based solely on emissions of GHGs. Specifically, the Court said that the agency may not treat GHGs as a pollutant for purposes of defining a "major emitting facility" (or a "modification" thereof) in the context of PSD permits for major sources of emissions or for purposes of defining a "major source" under the Title V Operating Permit program context. The Court ruled, however, that EPA may continue to treat GHGs as a pollutant subject to regulation for purposes of requiring BACT for so-called "anyway" sources (i.e., sources that are already subject to PSD permitting due to their emissions of other pollutants).

EPA issued guidance to its Regional Administrators that addresses some of the questions raised by the Supreme Court decision. EPA noted that it will no longer apply or enforce federal provisions, including EPA approved SIP provisions that require a source to obtain permits if GHGs are the only pollutant involved. Many state level requirements, however, remain in effect until further actions are taken and may trigger permitting requirements under state law despite the UARG decision. The IEPA does not currently require a Title V permit strictly based on a facility's GHG PTE emissions.

In 2009, the U.S. EPA issued the Final Mandatory Reporting of Greenhouse Gases Rule (MRR), which required various facilities, including facilities those combust fossil fuels to submit annual reports of their GHG emissions to EPA if they emit 25,000 metric tons or more per year of CO_2e emissions. The gases covered by the proposed rule are CO_2, CH_4, N_2O, HFC, PFC, SF_6, and other fluorinated gases including nitrogen trifluoride and hydrofluorinated ethers reported in CO_2e. Reporters must begin collecting data on January 1, 2010, through December 31, 2010. The first annual GHG report was due on March 31, 2011, for GHGs emitted or products supplied during CY 2010. As shown below in Table 5-3, the 186 ARW's actual 2013 GHG emissions from stationary sources were 3,911 metric tons of CO_2e per year. As a result, the installation will not be required to report its GHG emissions to EPA under the MRR. For evaluating applicability of EPA's reporting requirement, facilities

should not count their indirect emissions (e.g., offsite power generation) or mobile source emissions.

5.4 Direct Greenhouse Gas Emissions

GHG emission estimates were completed for CY 2013 for those stationary and mobile sources that released one or more of the GHGs listed in Table 5-1. This includes combustion sources, chemical use, and other potential sources of GHG emissions (maintenance of comfort equipment that used ODS-substitute chemicals, some of which are GHGs). The 2013 actual GHG emissions from the stationary combustion sources, chemical use, and other sources at 186 ARW are included in this section. GHG emissions from mobile source operations within the installation are included in this AEI, per Section 4.

See the APIMS Calculation Methodologies found in Appendix A for a summary of the operational data, emission factors, and algorithms used to calculate GHG emissions from stationary sources.

5.4.1 GHG Emissions from Stationary Combustion Sources

Stationary source categories which resulted in GHG emissions at the 186 ARW in 2013 included boilers and heating units fired with natural gas and; diesel-and natural gas-fired ICEs.

The GHG emission calculations for these sources follow the same methodologies as those used for calculating criteria pollutant emissions, except for a different set of pollutants, which are CO_2, CH_4, and N_2O. Emission factors were applied directly to the annual heat input to calculate emissions of GHG from stationary combustion sources. GHG emission factors for the various combustion source categories were derived from applicable EPA AP-42 Sections and from EPA's Inventory of Greenhouse Gases and Sinks 1990 to 2008 (Annexes 2 and 3). The applicable emission factors used in the calculations are provided, along with references, in Appendix D, Calculation Methodology, of that report. Tables 5-3 and 5-4 present the actual and potential CY 2013 stationary sources' GHG emissions, respectively.

5.4.2 GHG Emissions from Chemical Use

The EESOH-MIS data reports provided by the installation were used to identify GHG emissions from chemical use. Additionally, the MSDSs and chemical usage estimates provided by the installation were used to identify any GHG emissions from chemical use. In 2013, the 186 ARW did not have any GHG emissions from chemical use.

5.4.3 Other Sources of GHG Emissions

Under this category other potential sources of GHGs (i.e., non-combustion and non-chemical use-related) are assessed. This category includes emissions associated with comfort heating/cooling and fire suppression system equipment maintenance. During CY 2013 there were 51.5 pounds of HCFC-22 missions from comfort equipment which fell into the "other" category at the 186 ARW. These emissions were based on the amount of HCFC-22 added back into the equipment during 2013.

5.4.4 GHG Emissions from Mobile Combustion Sources

The mobile source categories that resulted in GHG emissions from fuel combustion in 2013 include on-road GOVs and POVs; gasoline-and diesel-fired off-road vehicles and equipment; AGE, and aircraft operations. Only actual GHG emissions from mobile source operations within the installation are included under this category.

The GHGs emission calculations for these mobile sources follow the same methodologies as those for criteria pollutants, except for a different set of pollutants, which are CO_2, CH_4, and N_2O. GHG emission factors for various combustion source categories were derived from the following references:

- EPA's U.S. Inventory of Greenhouse Gases and Sinks 1990 – 2008 (Annex 2 and Annex 3), April 2010.
- Air Emissions Factor Guide to Air Force Mobile Sources: Methods for Estimating Emissions of Air Pollutants for Mobile Sources at U.S. Air Force Installations, AFCEE/TDNQ, December 2009
- The applicable emissions factors used in the calculations are provided along with references in Mobile Calculation Data Reference and Mobile Process Calculation Data Summary Reports found in Appendix B.

GHG emissions from mobile sources that operated in 2013 at the 186 ARW are summarized in Table 5-5.

Table 5-1
100-Year Global Warming Potential for Greenhouse Gases

Gas[a]	GWP[b]	GWP[c]
Carbon Dioxide (CO_2)	1	1
Methane (CH_4)	25	21
Nitrous Oxide (N_2O)	298	310
HFC-23	14,800	11,700
HFC-32	675	650
HFC-125	3,500	2,800
HFC-134a	1,430	1,300
HFC-143a	4,470	3,800
HFC-152a	124	140
HFC-227ea	3,220	2,900
HFC-236fa	9,810	6,300
HFC-431mee	1,640	1,300
HCFC-22	1,810	--
Perfluoromethane (CF_4)	7,390	6,500
Perfluoroethane (C_2F_6)	12,200	9,200
Perfluorobutane (C_4F_{10})	8,860	7,000
Perfluorohexane (C_6F_{14})	9,300	7,400
Sulfur Hexafluoride (SF_6)	22,800	23,900

(a) Partial list from EPA's Final Mandatory Reporting of GHG Emissions Rule. Refer to Table A-1 of 40 CFR part 98, Subpart A. http://www.epa.gov/climatechange/emissions/downloads09/GHGMRR-FinalRule.pdf

(b) IPCC 2009. http://www.eia.doe.gov/oiaf/1605/ggrpt/

(c) US EPA values are from EPA's Final Mandatory Reporting of GHG Emissions Rule Table A-1 of 40 CFR Part 98,Subpart A

Table 5-2
Actual GHG Emissions Summary
186 ARW, Mississippi ANG, Meridian, MS

Source Category	Annual Emissions (tons/year)				CO_2e (metric tons/year)
	CO_2	CH_4	N_2O	HCFC-22	
Scope 1					
External Combustion	583.65	0.01	0.01	-	532.52
Internal Combustion	28.59	0.0005	0.003	-	26.89
Comfort Equipment	-	-	-	0.03	42.27
Mobile Emissions	936.50	1.04	2.04	-	1,424.49
Scope 1 Totals	**1,548.74**	**1.05**	**2.05**	**0.03**	**2,026.16**
Scope 2					
Purchased Electricity	3,551.52	0.05	0.06	-	3,239.00
Scope 2 Totals	**3,551.52**	**0.05**	**0.06**	**-**	**3,239.00**
Scope 3					
T&D Losses	233.94	0.003	0.004	-	213.36
Business Travel – Air	63.16	0.000	0.002	-	57.87
Business Travel – Rental Car	4.05	0.0003	0.0004	-	3.78
Employee Commuting	952.74	0.06	0.08	-	887.50
Offsite Waste Water Treatment	-	0.0001	0.01	-	2.82
Offsite Solid Waste Disposal	-	9.69	0.00	-	184.78
Scope 3 Totals	**1,253.90**	**9.76**	**0.09**	**-**	**1,350.10**

Table 5-3
Stationary Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)				CO_2e (metric tons/year)
Code	Name	CO_2	CH_4	N_2O	HCFC-22	
ECOM	External Combustion	583.65	0.01	0.01	-	532.52
ICOM	Internal Combustion	28.59	0.0005	0.003	-	26.89
ODC	Comfort Equipment	-	-	-	0.03	42.27
	Totals	**612.24**	**0.01**	**0.01**	**0.03**	**601.67**

Table 5-4
Stationary Sources Potential GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)				CO_2e (metric tons/year)
Code	Name	CO_2	CH_4	N_2O	HCFC-22	
ECOM	External Combustion	10,840.13	0.21	0.20	-	9,890.43
ICOM	Internal Combustion	627.00	0.02	0.01	-	570.60
ODC	Comfort Equipment	-	-	-	0.10	162.99
	Totals	**11,467.13**	**0.23**	**0.20**	**0.10**	**10,624.02**

Table 5-5
Mobile Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category		Annual Emissions (tons/year)			CO_2e (metric tons/year)
Code	**Name**	**CO_2**	**CH_4**	**N_2O**	
AGE	Aerospace Ground Equipment	61.46	-	0.01	58.17
AOPS	Aircraft Operations	596.90	1.02	2.02	1,110.27
VEHE	Vehicle Operations	278.14	0.02	0.01	256.04
	Totals	**936.50**	**1.04**	**2.04**	**1,424.49**

Table ES-9
Indirect Sources Actual GHG Emissions
186 ARW, Mississippi ANG, Meridian, MS

Source Category	Annual Emissions (tons/year)			CO_2e (metric tons/year)
Name	**CO_2**	**CH_4**	**N_2O**	
Purchased Electricity	3,551.52	0.05	0.06	3,239.00
T&D Losses	233.94	0.003	0.004	213.36
Business Travel – Air	63.16	0.000	0.002	57.87
Business Travel – Rental Car	4.05	0.0003	0.0004	3.78
Employee Commuting	952.74	0.06	0.08	887.50
Offsite Waste Water Treatment	-	0.0001	0.01	2.82
Offsite Solid Waste Disposal	-	9.69	0.00	184.78
Totals	**4,805.42**	**9.81**	**0.15**	**4,589.10**

6.0 Regulatory Compliance Review

The purpose of this AEI report is two-fold: 1) to estimate potential emissions based on CY 2013 operational data for the installation to evaluate minor or major source status as it pertains to Title V, and 2) to calculate actual emissions based on CY 2013 data for the installation in order to evaluate compliance with applicable federal and state air quality rules and regulations. This section discusses the Title V status determination, current permitting (applicability) requirements for stationary sources of emissions at the 186 ARW.

The governing regulatory authority for air pollution from stationary sources at the Mississippi ANG, 186 ARW is:

Mississippi Department of Environmental Quality (MDEQ)
Air Division
515 East Amite Street
Jackson, MS 39201
(601) 961-5171

The MDEQ has been delegated the authority by EPA to implement the Federal Title V program and to regulate air emission sources in the State of Mississippi. Mississippi State regulations for air quality control and permitting can be found in the Mississippi Air Pollution Control (APC) Regulations APC-S-1 through APC-S-10.

6.1 Title V Source Determination

The 186 ARW is located in Lauderdale County, MS, which is classified as in attainment of the NAAQS for all criteria pollutants. Regulation APC-S-6 of the MDEQ regulation establishes the State of Mississippi's requirements and procedures for implementing the federal Title V Operating Permits program. According to Regulation APC-S-6, the 186 ARW would be categorized as a major source and would be required to obtain a Title V General Permit from the MDEQ if the potential emissions from its stationary sources exceed 100 tpy of any of the criteria pollutants, or 10 tpy for each HAP, or 25 tpy for all HAPs combined.

The 186 ARW used to hold a SMOP which was issued by the MDEQ on December 3, 2003 and expired on November 11, 2008. The installation submitted an application for the renewal of its SMOP on May 23, 2008, within the six month period before the expiration of the permit. On July 9, 2008, the MDEQ declared that the facility is a true minor source and deemed that the installation no longer needs to hold an SMOP.

For determining Title V status, the installation's PTE emissions, which are generally considered by the MDEQ to be full operation for 24 hours per day, 365 days per year, and without controls, are compared to the Title V major source emissions thresholds. The 2013 potential emissions from stationary sources operating by the 186 ARW were calculated using the ANG/USAF PTE methodology, which had been previously reviewed by MDEQ. The screening analysis showed that the 2013 PTE emissions for the 186 ARW were well below

the Title V permitting thresholds. Therefore, the installation is not required to hold a Title V Operating Permit in accordance with APC-S-6.

6.2 NESHAPs Regulations

Title III of the CAAA required EPA to develop standards that will mandate the maximum achievable control technology (MACT) for major sources of HAPs. As indicated previously, a "major" source for HAPs is defined as a stationary source that emits more than 10 tpy of a regulated HAPs or 25 tpy of a combination of HAPs. Major source NESHAPs can be found at: http://www.epa.gov/ttn/atw/mactfnlalph.html. These NESHAP programs would apply to the installation if it is found to be a major source of HAP emissions. However, the 186 ARW is considered to be an "area" source, and therefore, the major source NESHAPs do not apply to this installation.

Under the Urban Air Toxics Strategy, EPA intends to reduce cumulative public health risks and adverse environmental impacts that result from exposures to multiple air toxics in areas where the emissions and risks are most significant. EPA identified a list of 33 HAPs that were judged to pose the greatest potential threat to public health in the largest number of urban areas, including 30 HAPs specifically identified as being emitted from smaller industrial sources known as ''area'' sources. Similar to the NESHAPs described above that were developed for major sources, EPA has been developing control regulations that apply to area sources. An "area" source is defined as a stationary source that emits less than 10 tpy of a single HAP or less than 25 tpy of a combination of HAPs. The 186 ARW is considered to be an "area" source, as it is not a major source for HAPs (i.e., HAP emissions that are less 10 tpy of the regulated HAPs or 25 tpy of a combination of HAPs).

Most of the required area source NESHAP regulations have been developed by EPA, and they can be found at: http://www.epa.gov/ttn/atw/area/compilation.html. For area sources, the control technology is called Generally Available Control Technology (GACT). Unlike MACT, GACT allows cost consideration for the control technology selected. Most area source NESHAPs will only affect area sources; however, as described below, in certain instances, a few will also affect major sources. Additionally, many of the area source NESHAP rules will not require an installation to secure a Title V Permit unless such a permit is required for another reason.

6.2.1 Gasoline Dispensing Facilities (GDF) NESHAP

The GDF NESHAP (40 CFR Part 63 Subpart CCCCCC) applies to any existing or new gasoline dispensing facility which is located at an area source. The rule applies to new sources that were constructed after November 6, 2006, which were required to be in compliance by January 10, 2008. Sources that were constructed after January 10, 2008 must comply at startup. Existing sources constructed prior to November 6, 2006 were required to be in compliance by January 10, 2011.

An owner or operator of a GDF is not required to obtain a Title V permit strictly because they are subject to this rule. The affected equipment includes gasoline cargo tanks during the delivery of product to a GDF and the associated gasoline fuel storage tanks. The equipment

used for refueling of motor vehicles is not covered in this rule. The compliance requirements for this NESHAP are dependent on the GDF's monthly gasoline throughput as described below. A summary of the requirements can also be found at following link: http://www.epa.gov/ttn/atw/area/gdfb.pdf.

The GDF at the 186 ARW must comply with the requirements of the GDF NESHAP (40 CFR 63, Subpart CCCCCC). Detailed information regarding the requirements of this NESHAP is available on the Virtual Environmental Management Office (VEMO). During 2013, the gasoline tank at the 186 ARW had a monthly gasoline throughput of less than 10,000 gallons. Thus, based on this level of throughput, this GDF is required to minimize spills, clean up spills expeditiously, cover gasoline containers and storage tank fill pipes with gasketed seals, and minimize gasoline sent to open collection systems. There are no reporting requirements for this GDF other than maintaining records to prove that its monthly throughput is below the 10,000-gallon-per-month threshold.

6.2.2 Other NESHAPS

Some of the other main area source NESHAPs that apply to this installation include the Industrial, Commercial, and Institutional Boilers at area sources (40 CFR Part 63 Subpart JJJJJJ), also known as the Boiler MACT rule for area sources and the Reciprocating Internal Combustion Engine (RICE) NESHAP (40 CFR Part 63 Subpart ZZZZ). Detailed information regarding these two NESHAPs is available on the VEMO.

6.3 NSPS Regulations

In addition to NESHAP regulations, New Source Performance Standards (NSPS) regulations were evaluated for their applicability to the installation. An NSPS requires sources to control emissions to the level achievable by best demonstrated technology (BDT). The NSPS For Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII) applies to the installation since it has diesel-fired internal combustion engines. Additionally, the NSPS For Stationary spark Ignition Internal Combustion Engines (40 CFR Part 60 Subpart JJJJ) applies to the installation since it has natural gas-fired internal combustion engines. Information regarding these regulations is available on the VEMO. A data call will be sent out shortly by ANG HQ through VEMO to collect the ICE data that will allow an analysis of the applicability of the RICE NESHAP and NSPS regulations.

6.4 Permit Compliance Status

Regulation APC-S-2 (Construction/Operation of Air Emissions Equipment) sets the permitting requirements for minor facilities in the State of Mississippi.

Currently, the 186 ARW does not hold any equipment-specific air permits or any state permits. Regulation APC-S-2 sets the requirements for operating permits for air pollution sources. Exemptions from obtaining operating permits are included in Regulation APC-S-2 Section XIII. All of the equipment in operation in 2013 at 186 ARW is considered to be exempt and does not require a permit.

Appendix A

Detailed Emissions and APIMS Calculation Methodologies for Stationary Sources

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Appendix A
Actual Criteria Pollutant Emissions from Staionary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
ABCL	626097	BASEWIDE - ENCLOSED - MISCELANEOUS BLAST MEDIA	-	-	-	0.00005	0.00005	-	-
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	0.53232	0.09068
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	0.00213	0.00104
AST	625927	HFR-300 GALLONS	-	-	-	-	-	0.00017	0.00008
AST	625928	HFR-600 GALLONS	-	-	-	-	-	0.00017	0.00008
AST	625929	HFR-300 GALLONS	-	-	-	-	-	0.00017	0.00008
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	0.02247	0.00465
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	0.02247	0.00465
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	0.00541	0.00541	0.63110	0.03256
DEGR	626093	BASEWIDE - COLD DIP TANK - DEGREASER	-	-	-	-	-	0.00960	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	0.06432	0.15114	0.00097	0.01222	0.01222	0.00884	0.01528
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	0.27350	0.32559	0.00195	0.02475	0.02475	0.01791	0.04135
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	0.00017	0.00017
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	0.00241	0.00241
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	0.07492	0.04907
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	0.00245	0.00244
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	0.00004	0.00004
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	0.00517	0.00515
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	0.01238	0.01235
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	0.03762	0.17460	0.01155	0.01239	0.01239	0.01414	0.00295
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	0.02150	0.09977	0.00660	0.00708	0.00708	0.00808	0.00168
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	0.00323	0.01497	0.00099	0.00106	0.00106	0.00121	0.00025
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	0.00161	0.00748	0.00050	0.00053	0.00053	0.00061	0.00012
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	0.01505	0.06984	0.00462	0.00496	0.00496	0.00566	0.00118
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	0.01505	0.06984	0.00462	0.00496	0.00496	0.00566	0.00118
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	0.01505	0.06984	0.00462	0.00496	0.00496	0.00566	0.00118
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	0.00161	0.00748	0.00050	0.00053	0.00053	0.00061	0.00012
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	0.01209	0.05612	0.00371	0.00398	0.00398	0.00454	0.00094
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	0.01209	0.05612	0.00371	0.00398	0.00398	0.00454	0.00094
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	0.03980	0.02574	0.00001	0.00011	0.00011	0.00406	0.00033
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	0.01384	0.00895	0.00000	0.00004	0.00004	0.00141	0.00012
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	0.02372	0.01534	0.00000	0.00006	0.00006	0.00242	0.00020
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	0.07315	0.04731	0.00001	0.00020	0.00020	0.00746	0.00062
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002

Appendix A
Actual Criteria Pollutant Emissions from Staionary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	0.00007	0.00031	0.00002	0.00002	0.00002	0.00003	0.00001
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	0.00007	0.00031	0.00002	0.00002	0.00002	0.00003	0.00001
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	0.00027	0.00125	0.00008	0.00009	0.00009	0.00010	0.00002
PEST	629472	BASEWIDE PEST CONTROL	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	0.00229	0.00229	-	0.00006
WOOD	626098	600 - WOODWORKING OPERATIONS	-	-	-	0.00939	0.00939	-	-

Appendix A
Potential Criteria Pollutant Emissions from Staionary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
ABCL	626097	BASEWIDE - ENCLOSED - MISCELANEOUS BLAST MEDIA	-	-	-	0.00020	0.00020	-	-
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	2.05243	0.34963
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	0.00821	0.00399
AST	625927	HFR-300 GALLONS	-	-	-	-	-	0.00064	0.00029
AST	625928	HFR-600 GALLONS	-	-	-	-	-	0.00064	0.00029
AST	625929	HFR-300 GALLONS	-	-	-	-	-	0.00064	0.00029
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	0.08664	0.01793
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	0.08664	0.01793
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	0.02086	0.02086	2.43329	0.12555
DEGR	626093	BASEWIDE - COLD DIP TANK - DEGREASER	-	-	-	-	-	0.03701	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	0.24798	0.58274	0.00372	0.04712	0.04712	0.03410	0.05636
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	1.05450	1.25535	0.00753	0.09541	0.09541	0.06904	0.11412
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	0.00066	0.00065
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	0.00931	0.00929
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	0.28888	0.18920
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	0.00943	0.00940
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	0.00015	0.00013
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	0.01992	0.01986
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	0.04775	0.04761
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	0.78381	3.63746	0.24054	0.25814	0.25814	0.29500	0.00311
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	0.44789	2.07855	0.13745	0.14751	0.14751	0.16857	0.00178
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	0.06718	0.31178	0.02062	0.02213	0.02213	0.02529	0.00027
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	0.03359	0.15589	0.01031	0.01106	0.01106	0.01264	0.00013
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	0.62705	2.90997	0.19243	0.20651	0.20651	0.23600	0.00249
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	0.62705	2.90997	0.19243	0.20651	0.20651	0.23600	0.00249
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	0.62705	2.90997	0.19243	0.20651	0.20651	0.23600	0.00249
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	0.06718	0.31178	0.02062	0.02213	0.02213	0.02529	0.00027
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	0.13437	0.62357	0.04124	0.04425	0.04425	0.05057	0.00053
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	0.13437	0.62357	0.04124	0.04425	0.04425	0.05057	0.00053
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	0.01332	0.00862	0.00000	0.00007	0.00007	0.00011	0.00010
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	0.00464	0.00300	0.00000	0.00003	0.00003	0.00004	0.00004
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	0.00794	0.00514	0.00000	0.00004	0.00004	0.00007	0.00006
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	0.02448	0.01583	0.00000	0.00014	0.00014	0.00021	0.00019
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004

Appendix A
Potential Criteria Pollutant Emissions from Staionary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	0.00559	0.02596	0.00172	0.00184	0.00184	0.00211	0.00002
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	0.00559	0.02596	0.00172	0.00184	0.00184	0.00211	0.00002
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	0.01121	0.05200	0.00344	0.00369	0.00369	0.00422	0.00004
PEST	629472	BASEWIDE PEST CONTROL	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	0.00881	0.00881	-	0.00023
WOOD	626098	600 - WOODWORKING OPERATIONS	-	-	-	0.03620	0.03620	-	-

Appendix A
Actual GHG Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			CO2	CH4	N2O	HCFC-22	CO2e
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	192.94	0.00	0.00	-	176.04
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	390.71	0.01	0.01	-	356.48
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	6.48	-	0.00	-	6.13
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	3.70	-	0.00	-	3.50
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	0.56	-	0.00	-	0.53
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	0.28	-	0.00	-	0.26
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	2.59	-	0.00	-	2.45
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	2.59	-	0.00	-	2.45
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	2.59	-	0.00	-	2.45
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	0.28	-	0.00	-	0.26
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	2.08	-	0.00	-	1.97
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	2.08	-	0.00	-	1.97
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	1.33	0.00	0.00	-	1.21
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	0.46	0.00	0.00	-	0.42
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	0.79	0.00	0.00	-	0.72
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	2.44	0.00	0.00	-	2.22
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	0.05	-	0.00	-	0.04
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	0.05	-	0.00	-	0.04
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	0.05	-	0.00	-	0.04
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	0.01	-	0.00	-	0.01
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	0.01	-	0.00	-	0.01
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	0.05	-	0.00	-	0.04
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	0.05	-	0.00	-	0.04
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	0.05	-	0.00	-	0.04
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	0.05	-	0.00	-	0.04
ODC	626099	BASEWIDE - ODC - EQUIPMENT REFRIGERANT ADDITIONS	-	-	-	0.03	42.27

Appendix A
Potential GHG Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			CO2	CH4	N2O	HCFC-22	CO2e
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	3,583.54	0.07	0.07	-	3,269.59
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	7,256.59	0.14	0.13	-	6,620.84
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	134.70	0.00	0.00	-	122.57
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	76.97	0.00	0.00	-	70.04
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	11.55	0.00	0.00	-	10.51
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	5.77	0.00	0.00	-	5.25
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	107.76	0.00	0.00	-	98.06
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	107.76	0.00	0.00	-	98.06
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	107.76	0.00	0.00	-	98.06
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	11.55	0.00	0.00	-	10.51
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	23.09	0.00	0.00	-	21.01
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	23.09	0.00	0.00	-	21.01
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	0.42	0.00	-	-	0.40
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	0.15	0.00	-	-	0.14
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	0.25	0.00	-	-	0.24
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	0.77	0.00	-	-	0.73
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	1.93	0.00	0.00	-	1.75
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	1.93	0.00	0.00	-	1.75
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	1.93	0.00	0.00	-	1.75
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	0.96	0.00	0.00	-	0.87
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	0.96	0.00	0.00	-	0.87
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	1.93	0.00	0.00	-	1.75
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	1.93	0.00	0.00	-	1.75
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	1.93	0.00	0.00	-	1.75
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	1.93	0.00	0.00	-	1.75
ODC	626099	BASEWIDE - ODC - EQUIPMENT REFRIGERANT ADDITIONS	-	-	-	0.10	162.99

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			1,3-BUTADIENE	1-BUTENE	1-BUTENE, 3-METHYL-	1-HEXENE	1-METHYL CYCLOPENTENE	1-METHYL NAPHTHALENE	1-METHYL-3-PROPYLBENZENE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	4.00E-05	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	4.00E-05	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	2.58E-03	2.77E-04	1.72E-04	1.27E-04	-	2.58E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	2.00E-06	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	1.00E-06	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	1.00E-06	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	1.00E-06	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	1.00E-06	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	8.00E-06	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	3.00E-06	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	4.00E-06	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	1.40E-05	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			1-PENTENE	1-TRIDECENE	2,2,4-TRIMETHYLPENTANE	2,2-DIMETHYLBUTANE	2,3,4-TRIMETHYLPENTANE	2,3,5-TRIMETHYL HEXANE
AST	625925	HFR-6000 GALLONS	-	-	2.41E-03	3.39E-03	5.20E-04	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	1.50E-05	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	1.50E-05	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	4.80E-04	-	2.77E-04	3.15E-04	4.50E-05	2.58E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			2,3-DIMETHYLBUTANE	2,3-DIMETHYLHEXANE	2,3-DIMETHYLNAPHTHALENE	2,4-DIMETHYL HEXANE	2,4-DIMETHYL PENTANE	2,6-DIMETHYLNAPHTHALENE
AST	625925	HFR-6000 GALLONS	5.01E-03	1.85E-04	-	2.65E-04	2.01E-03	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	5.00E-06	-	-	1.00E-05
AST	625935	EFR-210000 GALLONS	-	-	5.00E-06	-	-	1.00E-05
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	4.65E-04	-	-	9.00E-05	2.58E-03	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			2-METHYLDECANE	2-METHYLHEPTANE	2-METHYLHEXANE	2-METHYLPENTANE	3,4-DIMETHYL OCTANE	3-METHYLHEPTANE	3-METHYLHEXANE (10-20%)
AST	625925	HFR-6000 GALLONS	-	-	4.03E-03	1.75E-02	-	2.95E-04	2.15E-03
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	8.50E-05	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	8.50E-05	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	3.70E-05	2.30E-05	-	2.58E-03	6.00E-05	3.00E-05	2.85E-04
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			3-METHYLPENTANE	4-METHYLHEPTANE	ACETALDEHYDE	ACROLEIN	ALDEHYDES	AMMONIA	ARSENIC
AST	625925	HFR-6000 GALLONS	1.01E-02	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	7.00E-06	4.00E-06	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	1.40E-05	9.00E-06	-	1.04E-02	1.00E-06
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	8.69E-04	4.50E-05	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	3.00E-05	4.00E-06	2.61E-03	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	1.70E-05	2.00E-06	1.49E-03	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	3.00E-06	-	2.24E-04	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	1.00E-06	-	1.12E-04	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	1.20E-05	1.00E-06	1.04E-03	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	1.20E-05	1.00E-06	1.04E-03	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	1.20E-05	1.00E-06	1.04E-03	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	1.00E-06	-	1.12E-04	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	1.00E-05	1.00E-06	8.38E-04	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	1.00E-05	1.00E-06	8.38E-04	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	3.20E-05	3.00E-05	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	1.10E-05	1.00E-05	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	1.90E-05	1.80E-05	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	5.80E-05	5.50E-05	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	1.90E-05	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	1.90E-05	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	1.90E-05	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	5.00E-06	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	5.00E-06	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	1.90E-05	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	1.90E-05	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	1.90E-05	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	1.90E-05	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			BARIUM	BENZENE	BENZENE, 1,2,3,4-TETRAMETHYL-	BENZENE, 1-ETHYL-4-METHYL-	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	BENZENE, DICHLORO-
AST	625925	HFR-6000 GALLONS	-	3.71E-03	-	4.50E-05	-	-
AST	625926	HFR-6000 GALLONS	-	6.55E-04	-	-	-	-
AST	625927	HFR-300 GALLONS	-	5.00E-05	-	-	-	-
AST	625928	HFR-600 GALLONS	-	5.00E-05	-	-	-	-
AST	625929	HFR-300 GALLONS	-	5.00E-05	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	9.00E-05	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	9.00E-05	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	7.00E-06	3.00E-06	-	-	-	2.00E-06
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	1.40E-05	7.00E-06	-	-	-	4.00E-06
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	7.49E-04	-	-	6.00E-05	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	3.70E-05	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	2.10E-05	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	3.00E-06	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	2.00E-06	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	1.50E-05	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	1.50E-05	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	1.50E-05	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	2.00E-06	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	1.20E-05	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	1.20E-05	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	1.80E-05	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	6.00E-06	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	1.10E-05	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	3.30E-05	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			BUTANE	C10 AROMATICS	C12 ISOPARAFFIN	C2 CYCLOHEXANES	C3 BENZENES	C3 CYCLOHEXANES	C4 BENZENES
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	3.38E-03	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	6.84E-03	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	4.00E-06	1.00E-06	2.00E-06	2.00E-06	6.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	5.90E-05	1.30E-05	2.80E-05	3.00E-05	8.10E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	2.58E-03	8.20E-05	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	6.00E-05	1.30E-05	2.80E-05	3.10E-05	8.20E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	1.00E-06	-	-	1.00E-06	1.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	1.26E-04	2.80E-05	6.00E-05	6.50E-05	1.74E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	3.02E-04	6.80E-05	1.44E-04	1.56E-04	4.17E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			C4 CYCLOHEXANES	C5 BENZENES	C5 CYCLOHEXANES	C5 CYCLOPENTANES	C6 CYCLOHEXANES	C6 OLEFINS	CADMIUM
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	2.00E-06
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	4.00E-06
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	1.00E-06	3.00E-06	2.00E-06	1.00E-06	2.00E-06	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	9.00E-06	3.90E-05	2.90E-05	1.70E-05	3.00E-05	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	1.35E-04	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	9.00E-06	3.90E-05	2.90E-05	1.70E-05	3.00E-05	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	1.00E-06	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	2.00E-05	8.30E-05	6.20E-05	3.60E-05	6.40E-05	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	4.70E-05	1.99E-04	1.47E-04	8.70E-05	1.52E-04	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			CHROMIUM	CIS-2-BUTENE	CIS-2-PENTENE	COBALT	COPPER	CYCLOHEXANE	CYCLOHEXENE	CYCLOPENTANE
AST	625925	HFR-6000 GALLONS	-	-	4.21E-03	-	-	7.90E-04	-	3.21E-03
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	2.00E-06	-	-	-	1.00E-06	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	5.00E-06	-	-	-	3.00E-06	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	1.55E-03	5.09E-04	-	-	-	3.97E-04	3.52E-04
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	1.00E-06	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	1.00E-06	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			CYCLOPENTENE	DECANE	DIMETHYL HEPTANES (C9H20)	DIMETHYL HEXENES	DIMETHYL NAPHTHALENE (MIXED ISOMERS)
AST	625925	HFR-6000 GALLONS	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	5.00E-05	-	-	-
AST	625927	HFR-300 GALLONS	-	5.00E-06	-	-	-
AST	625928	HFR-600 GALLONS	-	5.00E-06	-	-	-
AST	625929	HFR-300 GALLONS	-	5.00E-06	-	-	-
AST	625934	EFR-210000 GALLONS	-	1.21E-03	-	-	-
AST	625935	EFR-210000 GALLONS	-	1.21E-03	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	1.10E-05	1.00E-06	-	1.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	1.61E-04	1.00E-05	-	1.50E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	1.42E-04	2.30E-05	-	1.50E-05	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	1.63E-04	1.00E-05	-	1.50E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	3.00E-06	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	3.44E-04	2.10E-05	-	3.20E-05
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	8.25E-04	5.10E-05	-	7.70E-05
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			DIMETHYL NONANE	DIMETHYL OCTANES (C10H22)	DIMETHYL UNDECANES	DODECANE	ETHANE	ETHYL BENZENE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	3.20E-04
AST	625926	HFR-6000 GALLONS	-	-	-	5.00E-06	-	1.50E-05
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	1.95E-04	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	1.95E-04	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	2.20E-05
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	4.98E-03	1.50E-05
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	1.01E-02	3.10E-05
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	4.00E-06	5.00E-06	8.00E-06	1.40E-05	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	5.80E-05	6.40E-05	1.12E-04	1.99E-04	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	6.44E-04
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	5.90E-05	6.50E-05	1.13E-04	2.02E-04	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	1.00E-06	1.00E-06	2.00E-06	3.00E-06	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	1.23E-04	1.37E-04	2.39E-04	4.26E-04	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	2.96E-04	3.29E-04	5.72E-04	1.02E-03	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	3.00E-06
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	2.00E-06
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	1.00E-06
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	1.00E-06
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	1.00E-06
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	1.00E-06
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	1.00E-06
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	1.00E-06
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			ETHYL DIMETHYL BENZENES	ETHYLENE GLYCOL	ETHYLENE GLYCOL MONOBUTYL ETHER	ETHYLTOLUENE	FLUORENE	FORMALDEHYDE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	2.45E-02	5.85E-04	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	1.21E-04
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	2.44E-04
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	1.00E-06	-	-	3.00E-06	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	1.30E-05	-	-	4.50E-05	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	1.30E-05	-	-	4.60E-05	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	1.00E-06	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	2.70E-05	-	-	9.60E-05	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	6.40E-05	-	-	2.30E-04	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	1.00E-06	4.70E-05
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	1.00E-06	2.70E-05
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	4.00E-06
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	2.00E-06
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	1.90E-05
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	1.90E-05
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	1.90E-05
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	2.00E-06
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	1.50E-05
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	1.50E-05
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	2.33E-04
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	8.10E-05
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	1.39E-04
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	4.29E-04
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			HEPTADECANE	HEPTANE	HEPTANE, 3,5-DIMETHYL-	HEXADECANE	HEXANE, 2,2,5-TRIMETHYL-	HYDROCHLORIC ACID	HYDROQUINONE
AST	625925	HFR-6000 GALLONS	-	1.14E-03	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	5.25E-04	-	5.00E-06	-	-	-
AST	625935	EFR-210000 GALLONS	-	5.25E-04	-	5.00E-06	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	1.02E-03
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	1.00E-06	-	-	2.00E-06	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	7.00E-06	-	-	3.00E-05	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	2.62E-04	3.00E-05	-	1.20E-04	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	7.00E-06	-	-	3.00E-05	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	1.40E-05	-	-	6.40E-05	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	3.50E-05	-	-	1.52E-04	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	5.30E-05	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	3.00E-05	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	5.00E-06	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	2.00E-06	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	2.10E-05	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	2.10E-05	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	2.10E-05	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	2.00E-06	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	1.70E-05	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	1.70E-05	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			INDAN	ISOBUTANE	ISOPRENE	LEAD	MANGANESE	MANGANESE DIOXIDE	MERCURY	METHYL DECALINES
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	1.60E-04	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	1.00E-06	1.00E-06	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	2.00E-06	1.00E-06	-	1.00E-06	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-	3.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-	4.60E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	8.00E-06	1.08E-02	1.50E-05	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-	4.70E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-	1.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-	9.80E-05
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-	2.35E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	2.00E-06	1.00E-06	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	1.00E-06	1.00E-06	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	1.00E-06	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	1.00E-06	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	1.00E-06	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	1.00E-06	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	1.00E-06	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	5.90E-05	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			METHYL DECANES (C11H24)	METHYL DODECANE	METHYL OCTANES (C9H20)	METHYL PROPYL BENZENE	METHYL TERT-BUTYL ETHER	METHYL TETRALIN (MIXED ISOMERS)	METHYL TRIDECANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	1.76E-03	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	2.00E-06	1.30E-05	2.00E-06	2.00E-06	-	2.00E-06	4.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	2.90E-05	1.85E-04	2.40E-05	3.50E-05	-	2.80E-05	5.60E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	2.90E-05	1.88E-04	2.40E-05	3.50E-05	-	2.80E-05	5.70E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	3.00E-06	-	1.00E-06	-	-	1.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	6.20E-05	3.97E-04	5.10E-05	7.40E-05	-	5.90E-05	1.19E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.49E-04	9.51E-04	1.23E-04	1.78E-04	-	1.41E-04	2.86E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			METHYL UNDECANE	METHYLCYCLO HEXANE	METHYLCYCLO PENTANE	METHYLENE CHLORIDE	M-ETHYLTOLUENE	MOLYBDENUM	M-XYLENE	NAPHTHALENE
AST	625925	HFR-6000 GALLONS	-	5.45E-04	5.18E-03	-	1.00E-04	-	7.30E-04	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	1.60E-04	9.50E-05
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	1.60E-04	9.50E-05
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	2.00E-06	-	1.00E-06
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	4.00E-06	-	2.00E-06
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	7.00E-06	-	-	-	-	-	-	1.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	9.80E-05	-	-	-	-	-	6.00E-06	1.90E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	2.58E-03	6.37E-04	-	8.20E-05	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	1.00E-04	-	-	-	-	-	6.00E-06	1.90E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	2.00E-06	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	2.10E-04	-	-	-	-	-	1.30E-05	4.10E-05
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	5.04E-04	-	-	-	-	-	3.10E-05	9.80E-05
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-	3.00E-06
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-	2.00E-06
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-	1.00E-06
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-	1.00E-06
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-	1.00E-06
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-	1.00E-06
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-	1.00E-06
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	1.00E-06
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	1.00E-06
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	1.00E-06	-	-	-	2.00E-06
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	NAPHTHALENE, 1-ETHYL-	NAPHTHALENE, 2-METHYL-	N-HEPTYLBENZENE	N-HEXANE	NICKEL	NONANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	7.61E-03	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	5.00E-05
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	5.00E-06
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	5.00E-06
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	5.00E-06
AST	625934	EFR-210000 GALLONS	-	1.00E-05	4.50E-05	5.00E-06	-	-	5.70E-04
AST	625935	EFR-210000 GALLONS	-	1.00E-05	4.50E-05	5.00E-06	-	-	5.70E-04
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	2.89E-03	3.00E-06	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	5.86E-03	7.00E-06	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	2.00E-06	-	-	-	-	-	5.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	2.60E-05	-	-	-	-	-	6.40E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	6.74E-04	-	3.00E-05
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	2.60E-05	-	-	-	-	-	6.50E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	1.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	5.50E-05	-	-	-	-	-	1.37E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.33E-04	-	-	-	-	-	3.28E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	8.00E-06	1.00E-06	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	4.00E-06	1.00E-06	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	1.00E-06	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	3.00E-06	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	3.00E-06	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	3.00E-06	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	2.00E-06	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	2.00E-06	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			N-PROPYLBENZENE	OCTANE	O-CYMENE	O-DIETHYLBENZENE	O-ETHYLTOLUENE	O-XYLENE	PENTADECANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	3.50E-05	3.10E-04	-
AST	625926	HFR-6000 GALLONS	5.00E-06	3.50E-05	-	-	-	5.00E-06	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	3.70E-04	2.45E-04	-	-	1.25E-04	1.50E-05
AST	625935	EFR-210000 GALLONS	-	3.70E-04	2.45E-04	-	-	1.25E-04	1.50E-05
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	1.00E-06	-	-	-	-	6.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	1.70E-05	-	-	-	-	8.70E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	2.58E-03	-	-	8.00E-06	-	1.12E-04	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	1.80E-05	-	-	-	-	8.80E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	1.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	3.70E-05	-	-	-	-	1.87E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	8.90E-05	-	-	-	-	4.47E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			PENTANE, 2,3,3-TRIMETHYL-	PHENANTHRENE	PHENYLCYCLO HEXANE	PAH	POM	PROPANE	PROPYLCYCLO HEXANE
AST	625925	HFR-6000 GALLONS	3.55E-04	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	2.50E-05	-	-	-	1.85E-04
AST	625935	EFR-210000 GALLONS	-	-	2.50E-05	-	-	-	1.85E-04
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	1.00E-06	-	2.57E-03	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	1.00E-06	-	5.21E-03	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	7.50E-05	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	1.00E-06	-	7.00E-06	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	1.00E-06	-	4.00E-06	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	1.00E-06	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	3.00E-06	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	3.00E-06	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	3.00E-06	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	2.00E-06	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	2.00E-06	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	2.00E-06	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	1.00E-06	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	1.00E-06	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	3.00E-06	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			PROPYLENE	P-XYLENE	SELENIUM	STYRENE	TETRACHLORO ETHANE	TETRADECANE	TETRAMETHYL BENZENE (MIXED ISOMERS)
AST	625925	HFR-6000 GALLONS	-	3.20E-04	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	4.00E-05	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	4.00E-05	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	1.18E-03	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	2.38E-03	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	9.00E-06	1.00E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	1.34E-04	1.90E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	2.58E-03	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	1.36E-04	1.90E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	2.00E-06	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	2.87E-04	4.10E-05
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	6.89E-04	9.80E-05
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	1.02E-04	-	1.00E-06	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	5.80E-05	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	9.00E-06	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	4.00E-06	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	4.10E-05	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	4.10E-05	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	4.10E-05	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	4.00E-06	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	3.30E-05	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	3.30E-05	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	1.00E-06	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	1.00E-06	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	2.00E-06	1.00E-06	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	1.00E-06	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	1.00E-06	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	1.00E-06	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	1.00E-06	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	1.00E-06	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	1.00E-06	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	1.00E-06	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			TOLUENE	TRANS-2-BUTENE	TRANS-2-HEXENE	TRANS-2-PENTENE	TRIDECANE	TRIMETHYL DODECANE	TRIMETHYLBENZENE	UNDECANE
AST	625925	HFR-6000 GALLONS	4.56E-03	-	-	7.94E-03	-	-	-	-
AST	625926	HFR-6000 GALLONS	1.15E-04	-	-	-	-	-	-	1.00E-05
AST	625927	HFR-300 GALLONS	1.00E-05	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	1.00E-05	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	1.00E-05	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	8.00E-05	-	-	5.05E-04
AST	625935	EFR-210000 GALLONS	-	-	-	-	8.00E-05	-	-	5.05E-04
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	6.09E-03	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	5.00E-06	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	1.10E-05	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	1.20E-05	4.00E-06	1.00E-06	1.70E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	1.71E-04	5.80E-05	1.10E-05	2.42E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	1.24E-03	2.39E-03	9.70E-05	1.02E-03	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	1.73E-04	5.90E-05	1.10E-05	2.45E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	3.00E-06	1.00E-06	-	4.00E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	3.65E-04	1.25E-04	2.30E-05	5.18E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	8.76E-04	3.00E-04	5.60E-05	1.24E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	1.60E-05	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	9.00E-06	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	1.00E-06	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	1.00E-06	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	6.00E-06	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	6.00E-06	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	6.00E-06	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	1.00E-06	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	5.00E-06	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	5.00E-06	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	6.00E-06	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	2.00E-06	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	4.00E-06	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	1.20E-05	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	-	-	-	-

Appendix A
Actual HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			VANADIUM	XYLENE	ZINC	ZINC CHROMATE	TOTAL
AST	625925	HFR-6000 GALLONS	-	-	-	-	9.07E-02
AST	625926	HFR-6000 GALLONS	-	9.00E-05	-	-	1.04E-03
AST	625927	HFR-300 GALLONS	-	5.00E-06	-	-	7.50E-05
AST	625928	HFR-600 GALLONS	-	5.00E-06	-	-	7.50E-05
AST	625929	HFR-300 GALLONS	-	5.00E-06	-	-	7.50E-05
AST	625934	EFR-210000 GALLONS	-	-	-	-	4.65E-03
AST	625935	EFR-210000 GALLONS	-	-	-	-	4.65E-03
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	1.18E-04	-	3.10E-05	3.26E-02
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	4.00E-06	4.40E-05	4.70E-05	-	1.53E-02
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	7.00E-06	8.90E-05	9.40E-05	-	4.14E-02
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	1.69E-04
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	5.00E-06	-	-	2.41E-03
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	4.91E-02
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	5.00E-06	-	-	2.44E-03
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	3.50E-05
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	1.00E-05	-	-	5.15E-03
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	2.40E-05	-	-	1.23E-02
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	1.10E-05	6.00E-06	-	2.95E-03
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	6.00E-06	4.00E-06	-	1.68E-03
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	1.00E-06	1.00E-06	-	2.53E-04
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	1.24E-04
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	4.00E-06	3.00E-06	-	1.18E-03
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	4.00E-06	3.00E-06	-	1.18E-03
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	4.00E-06	3.00E-06	-	1.18E-03
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	1.24E-04
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	4.00E-06	2.00E-06	-	9.44E-04
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	4.00E-06	2.00E-06	-	9.44E-04
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	2.00E-06	-	-	3.33E-04
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	1.00E-06	-	-	1.15E-04
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	1.00E-06	-	-	1.99E-04
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	4.00E-06	-	-	6.15E-04
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	2.00E-05
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	2.00E-05
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	2.00E-05
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	5.00E-06
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	5.00E-06
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	2.00E-05
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	2.00E-05
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	2.00E-05
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	2.00E-05
WELD	629471	BASEWIDE WELDING OPERATIONS	-	-	-	-	5.90E-05

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			1,3-BUTADIENE	1-BUTENE	1-BUTENE, 3-METHYL-	1-HEXENE	1-METHYL CYCLOPENTENE	1-METHYL NAPHTHALENE	1-METHYL-3-PROPYLBENZENE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	1.54E-04	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	1.54E-04	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	9.94E-03	1.07E-03	6.63E-04	4.90E-04	-	9.94E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	3.21E-05	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	1.84E-05	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	2.75E-06	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	1.38E-06	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	2.57E-05	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	2.57E-05	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	2.57E-05	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	2.75E-06	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	5.51E-06	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	5.51E-06	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	4.59E-07	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	4.59E-07	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	4.59E-07	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	2.29E-07	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	2.29E-07	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	4.59E-07	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	4.59E-07	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	4.59E-07	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	4.59E-07	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			1-PENTENE	1-TRIDECENE	2,2,4-TRIMETHYLPENTANE	2,2-DIMETHYLBUTANE	2,3,4-TRIMETHYLPENTANE	2,3,5-TRIMETHYL HEXANE
AST	625925	HFR-6000 GALLONS	-	-	9.27E-03	1.31E-02	2.00E-03	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	5.78E-05	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	5.78E-05	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	1.85E-03	-	1.07E-03	1.21E-03	1.74E-04	9.94E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			2,3-DIMETHYLBUTANE	2,3-DIMETHYLHEXANE	2,3-DIMETHYLNAPHTHALENE	2,4-DIMETHYL HEXANE	2,4-DIMETHYL PENTANE	2,6-DIMETHYLNAPHTHALENE
AST	625925	HFR-6000 GALLONS	1.93E-02	7.13E-04	-	1.02E-03	7.73E-03	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	1.93E-05	-	-	3.86E-05
AST	625935	EFR-210000 GALLONS	-	-	1.93E-05	-	-	3.86E-05
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	1.79E-03	-	-	3.47E-04	9.94E-03	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			2-METHYLDECANE	2-METHYLHEPTANE	2-METHYLHEXANE	2-METHYLPENTANE	3,4-DIMETHYL OCTANE	3-METHYLHEPTANE	3-METHYLHEXANE (10-20%)
AST	625925	HFR-6000 GALLONS	-	-	1.55E-02	6.75E-02	-	1.14E-03	8.27E-03
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	3.28E-04	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	3.28E-04	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	1.43E-04	8.87E-05	-	9.94E-03	2.31E-04	1.16E-04	1.10E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			3-METHYLPENTANE	4-METHYLHEPTANE	ACETALDEHYDE	ACROLEIN	ALDEHYDES	AMMONIA	ARSENIC
AST	625925	HFR-6000 GALLONS	3.89E-02	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	5.97E-06
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	1.21E-05
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	3.35E-03	1.74E-04	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	6.30E-04	7.60E-05	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	3.60E-04	4.34E-05	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	5.40E-05	6.51E-06	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	2.70E-05	3.26E-06	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	5.04E-04	6.08E-05	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	5.04E-04	6.08E-05	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	5.04E-04	6.08E-05	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	5.40E-05	6.51E-06	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	1.08E-04	1.30E-05	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	1.08E-04	1.30E-05	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	1.06E-05	9.98E-06	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	3.69E-06	3.48E-06	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	6.31E-06	5.95E-06	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	1.95E-05	1.83E-05	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	4.50E-06	5.42E-07	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	4.50E-06	5.42E-07	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	9.01E-06	1.09E-06	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	9.01E-06	1.09E-06	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			BARIUM	BENZENE	BENZENE, 1,2,3,4-TETRAMETHYL-	BENZENE, 1-ETHYL-4-METHYL-	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	BENZENE, DICHLORO-
AST	625925	HFR-6000 GALLONS	-	1.43E-02	-	1.74E-04	-	-
AST	625926	HFR-6000 GALLONS	-	2.53E-03	-	-	-	-
AST	625927	HFR-300 GALLONS	-	1.93E-04	-	-	-	-
AST	625928	HFR-600 GALLONS	-	1.93E-04	-	-	-	-
AST	625929	HFR-300 GALLONS	-	1.93E-04	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	3.47E-04	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	3.47E-04	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	6.27E-05	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	1.27E-04	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	2.89E-03	-	-	2.31E-04	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	7.66E-04	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	4.38E-04	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	6.57E-05	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	3.28E-05	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	6.13E-04	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	6.13E-04	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	6.13E-04	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	6.57E-05	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	1.31E-04	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	1.31E-04	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	6.00E-06	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	2.09E-06	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	3.57E-06	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	1.10E-05	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	1.10E-05	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	1.10E-05	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	1.10E-05	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	5.47E-06	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	5.47E-06	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	1.10E-05	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	1.10E-05	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	1.10E-05	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	1.10E-05	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			BUTANE	C10 AROMATICS	C12 ISOPARAFFIN	C2 CYCLOHEXANES	C3 BENZENES	C3 CYCLOHEXANES	C4 BENZENES
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	1.54E-05	3.86E-06	7.71E-06	7.71E-06	2.31E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	2.27E-04	5.01E-05	1.08E-04	1.16E-04	3.12E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	9.94E-03	3.16E-04	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	2.31E-04	5.01E-05	1.08E-04	1.20E-04	3.16E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	3.86E-06	-	-	3.86E-06	3.86E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	4.86E-04	1.08E-04	2.31E-04	2.51E-04	6.71E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	1.16E-03	2.62E-04	5.55E-04	6.01E-04	1.61E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			C4 CYCLOHEXANES	C5 BENZENES	C5 CYCLOHEXANES	C5 CYCLOPENTANES	C6 CYCLOHEXANES	C6 OLEFINS	CADMIUM
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	3.28E-05
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	6.65E-05
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	3.86E-06	1.16E-05	7.71E-06	3.86E-06	7.71E-06	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	3.47E-05	1.50E-04	1.12E-04	6.55E-05	1.16E-04	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	5.21E-04	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	3.47E-05	1.50E-04	1.12E-04	6.55E-05	1.16E-04	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	3.86E-06	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	7.71E-05	3.20E-04	2.39E-04	1.39E-04	2.47E-04	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.81E-04	7.67E-04	5.67E-04	3.35E-04	5.86E-04	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			CHROMIUM	CIS-2-BUTENE	CIS-2-PENTENE	COBALT	COPPER	CYCLOHEXANE	CYCLOHEXENE	CYCLOPENTANE
AST	625925	HFR-6000 GALLONS	-	-	1.62E-02	-	-	3.05E-03	-	1.24E-02
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	4.18E-05	-	-	2.51E-06	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	8.47E-05	-	-	5.08E-06	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	5.98E-03	1.96E-03	-	-	-	1.53E-03	1.36E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			CYCLOPENTENE	DECANE	DIMETHYL HEPTANES (C9H20)	DIMETHYL HEXENES	DIMETHYL NAPHTHALENE (MIXED ISOMERS)
AST	625925	HFR-6000 GALLONS	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	1.93E-04	-	-	-
AST	625927	HFR-300 GALLONS	-	1.93E-05	-	-	-
AST	625928	HFR-600 GALLONS	-	1.93E-05	-	-	-
AST	625929	HFR-300 GALLONS	-	1.93E-05	-	-	-
AST	625934	EFR-210000 GALLONS	-	4.65E-03	-	-	-
AST	625935	EFR-210000 GALLONS	-	4.65E-03	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	4.24E-05	3.86E-06	-	3.86E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	6.21E-04	3.86E-05	-	5.78E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	5.48E-04	8.87E-05	-	5.78E-05	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	6.28E-04	3.86E-05	-	5.78E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	1.16E-05	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	1.33E-03	8.10E-05	-	1.23E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	3.18E-03	1.97E-04	-	2.97E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			DIMETHYL NONANE	DIMETHYL OCTANES (C10H22)	DIMETHYL UNDECANES	DODECANE	ETHANE	ETHYL BENZENE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	1.23E-03
AST	625926	HFR-6000 GALLONS	-	-	-	1.93E-05	-	5.78E-05
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	7.52E-04	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	7.52E-04	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	8.48E-05
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	1.54E-05	1.93E-05	3.08E-05	5.40E-05	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	2.24E-04	2.47E-04	4.32E-04	7.67E-04	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	2.48E-03
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	2.27E-04	2.51E-04	4.36E-04	7.79E-04	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	3.86E-06	3.86E-06	7.71E-06	1.16E-05	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	4.74E-04	5.28E-04	9.21E-04	1.64E-03	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.14E-03	1.27E-03	2.21E-03	3.93E-03	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			ETHYL DIMETHYL BENZENES	ETHYLENE GLYCOL	ETHYLENE GLYCOL MONOBUTYL ETHER	ETHYLTOLUENE	FLUORENE	FORMALDEHYDE
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	9.46E-02	2.26E-03	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	2.24E-03
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	4.54E-03
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	3.86E-06	-	-	1.16E-05	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	5.01E-05	-	-	1.74E-04	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	5.01E-05	-	-	1.77E-04	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	3.86E-06	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	1.04E-04	-	-	3.70E-04	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	2.47E-04	-	-	8.87E-04	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	9.69E-04
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	5.54E-04
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	8.31E-05
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	4.15E-05
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	7.75E-04
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	7.75E-04
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	7.75E-04
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	8.31E-05
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	1.66E-04
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	1.66E-04
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	7.78E-05
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	2.71E-05
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	4.64E-05
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	1.43E-04
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	1.39E-05
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	1.39E-05
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	1.39E-05
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	6.92E-06
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	6.92E-06
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	1.39E-05
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	1.39E-05
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	1.39E-05
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	1.39E-05

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			HEPTADECANE	HEPTANE	HEPTANE, 3,5-DIMETHYL-	HEXADECANE	HEXANE, 2,2,5-TRIMETHYL-	HYDROCHLORIC ACID	HYDROQUINONE
AST	625925	HFR-6000 GALLONS	-	4.40E-03	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	2.02E-03	-	1.93E-05	-	-	-
AST	625935	EFR-210000 GALLONS	-	2.02E-03	-	1.93E-05	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	3.93E-03
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	3.86E-06	-	-	7.71E-06	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	2.70E-05	-	-	1.16E-04	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	1.01E-03	1.16E-04	-	4.63E-04	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	2.70E-05	-	-	1.16E-04	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	5.40E-05	-	-	2.47E-04	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.35E-04	-	-	5.86E-04	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			INDAN	ISOBUTANE	ISOPRENE	LEAD	MANGANESE	MANGANESE DIOXIDE	MERCURY	METHYL DECALINES
AST	625925	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	6.17E-04	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	1.49E-05	1.13E-05	-	7.76E-06	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	3.02E-05	2.30E-05	-	1.57E-05	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-	1.16E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-	1.77E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	3.08E-05	4.17E-02	5.78E-05	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-	1.81E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-	3.86E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-	3.78E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-	9.06E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			METHYL DECANES (C11H24)	METHYL DODECANE	METHYL OCTANES (C9H20)	METHYL PROPYL BENZENE	METHYL TERT-BUTYL ETHER	METHYL TETRALIN (MIXED ISOMERS)	METHYL TRIDECANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	6.79E-03	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	7.71E-06	5.01E-05	7.71E-06	7.71E-06	-	7.71E-06	1.54E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	1.12E-04	7.13E-04	9.25E-05	1.35E-04	-	1.08E-04	2.16E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	1.12E-04	7.25E-04	9.25E-05	1.35E-04	-	1.08E-04	2.20E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	1.16E-05	-	3.86E-06	-	-	3.86E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	2.39E-04	1.53E-03	1.97E-04	2.85E-04	-	2.27E-04	4.59E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	5.74E-04	3.67E-03	4.74E-04	6.86E-04	-	5.44E-04	1.10E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			METHYL UNDECANE	METHYLCYCLO HEXANE	METHYLCYCLO PENTANE	METHYLENE CHLORIDE	M-ETHYLTOLUENE	MOLYBDENUM	M-XYLENE	NAPHTHALENE
AST	625925	HFR-6000 GALLONS	-	2.10E-03	2.00E-02	-	3.86E-04	-	2.81E-03	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	-	6.17E-04	3.66E-04
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	-	6.17E-04	3.66E-04
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-	1.82E-05
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-	3.69E-05
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	2.70E-05	-	-	-	-	-	-	3.86E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	3.78E-04	-	-	-	-	-	2.31E-05	7.33E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	9.94E-03	2.46E-03	-	3.16E-04	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	3.86E-04	-	-	-	-	-	2.31E-05	7.33E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	7.71E-06	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	8.10E-04	-	-	-	-	-	5.01E-05	1.58E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	1.94E-03	-	-	-	-	-	1.20E-04	3.78E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-	6.97E-05
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-	3.98E-05
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	5.97E-06
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-	2.99E-06
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-	5.57E-05
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-	5.57E-05
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-	5.57E-05
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-	5.97E-06
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-	1.19E-05
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-	1.19E-05
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-	9.96E-07
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-	9.96E-07
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-	9.96E-07
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-	4.97E-07
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-	4.97E-07
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-	9.96E-07
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-	9.96E-07
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-	9.96E-07
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-	9.96E-07

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	NAPHTHALENE, 1-ETHYL-	NAPHTHALENE, 2-METHYL-	N-HEPTYLBENZENE	N-HEXANE	NICKEL	NONANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	2.93E-02	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	1.93E-04
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	1.93E-05
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	1.93E-05
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	1.93E-05
AST	625934	EFR-210000 GALLONS	-	3.86E-05	1.74E-04	1.93E-05	-	-	2.20E-03
AST	625935	EFR-210000 GALLONS	-	3.86E-05	1.74E-04	1.93E-05	-	-	2.20E-03
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	5.38E-02	6.27E-05	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	1.09E-01	1.27E-04	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	7.71E-06	-	-	-	-	-	1.93E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	1.00E-04	-	-	-	-	-	2.47E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	2.60E-03	-	1.16E-04
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	1.00E-04	-	-	-	-	-	2.51E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	3.86E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	2.12E-04	-	-	-	-	-	5.28E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	5.13E-04	-	-	-	-	-	1.26E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			N-PROPYLBENZENE	OCTANE	O-CYMENE	O-DIETHYLBENZENE	O-ETHYLTOLUENE	O-XYLENE	PENTADECANE
AST	625925	HFR-6000 GALLONS	-	-	-	-	1.35E-04	1.20E-03	-
AST	625926	HFR-6000 GALLONS	1.93E-05	1.35E-04	-	-	-	1.93E-05	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	1.43E-03	9.45E-04	-	-	4.82E-04	5.78E-05
AST	625935	EFR-210000 GALLONS	-	1.43E-03	9.45E-04	-	-	4.82E-04	5.78E-05
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	3.86E-06	-	-	-	-	2.31E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	6.55E-05	-	-	-	-	3.35E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	9.94E-03	-	-	3.08E-05	-	4.32E-04	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	6.94E-05	-	-	-	-	3.39E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	3.86E-06
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	1.43E-04	-	-	-	-	7.21E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	3.43E-04	-	-	-	-	1.72E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			PENTANE, 2,3,3-TRIMETHYL-	PHENANTHRENE	PHENYLCYCLO HEXANE	PAH	POM	PROPANE	PROPYLCYCLO HEXANE
AST	625925	HFR-6000 GALLONS	1.37E-03	-	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	9.64E-05	-	-	-	7.13E-04
AST	625935	EFR-210000 GALLONS	-	-	9.64E-05	-	-	-	7.13E-04
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	-	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	-	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	2.89E-04	-	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	-	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	-	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	-	-
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			PROPYLENE	P-XYLENE	SELENIUM	STYRENE	TETRACHLORO ETHANE	TETRADECANE	TETRAMETHYL BENZENE (MIXED ISOMERS)
AST	625925	HFR-6000 GALLONS	-	1.23E-03	-	-	-	-	-
AST	625926	HFR-6000 GALLONS	-	-	-	-	-	-	-
AST	625927	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	-	1.54E-04	-
AST	625935	EFR-210000 GALLONS	-	-	-	-	-	1.54E-04	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	7.17E-07	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	1.45E-06	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	-	3.47E-05	3.86E-06
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	-	5.17E-04	7.33E-05
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	9.94E-03	-	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	-	5.24E-04	7.33E-05
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	-	7.71E-06	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	-	1.11E-03	1.58E-04
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	-	2.66E-03	3.78E-04
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			TOLUENE	TRANS-2-BUTENE	TRANS-2-HEXENE	TRANS-2-PENTENE	TRIDECANE	TRIMETHYL DODECANE	TRIMETHYLBENZENE	UNDECANE
AST	625925	HFR-6000 GALLONS	1.76E-02	-	-	3.06E-02	-	-	-	-
AST	625926	HFR-6000 GALLONS	4.43E-04	-	-	-	-	-	-	3.86E-05
AST	625927	HFR-300 GALLONS	3.86E-05	-	-	-	-	-	-	-
AST	625928	HFR-600 GALLONS	3.86E-05	-	-	-	-	-	-	-
AST	625929	HFR-300 GALLONS	3.86E-05	-	-	-	-	-	-	-
AST	625934	EFR-210000 GALLONS	-	-	-	-	3.08E-04	-	-	1.95E-03
AST	625935	EFR-210000 GALLONS	-	-	-	-	3.08E-04	-	-	1.95E-03
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	2.35E-02	-	-	-	-	-	-	-
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	1.02E-04	-	-	-	-	-	-	-
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	2.06E-04	-	-	-	-	-	-	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	4.63E-05	1.54E-05	3.86E-06	6.55E-05
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	-	-	-	6.59E-04	2.24E-04	4.24E-05	9.33E-04
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	4.77E-03	9.21E-03	3.74E-04	3.93E-03	-	-	-	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	-	-	-	6.67E-04	2.27E-04	4.24E-05	9.45E-04
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	1.16E-05	3.86E-06	-	1.54E-05
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	-	-	-	1.41E-03	4.82E-04	8.87E-05	2.00E-03
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	-	-	-	3.38E-03	1.16E-03	2.16E-04	4.78E-03
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	3.36E-04	-	-	-	-	-	-	-
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	1.92E-04	-	-	-	-	-	-	-
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	2.88E-05	-	-	-	-	-	-	-
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	1.44E-05	-	-	-	-	-	-	-
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	2.69E-04	-	-	-	-	-	-	-
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	2.69E-04	-	-	-	-	-	-	-
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	2.69E-04	-	-	-	-	-	-	-
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	2.88E-05	-	-	-	-	-	-	-
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	5.76E-05	-	-	-	-	-	-	-
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	5.76E-05	-	-	-	-	-	-	-
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	-	-	-	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	-	-	-	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	-	-	-	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	-	-	-	-
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	4.80E-06	-	-	-	-	-	-	-
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	4.80E-06	-	-	-	-	-	-	-
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	4.80E-06	-	-	-	-	-	-	-
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	2.40E-06	-	-	-	-	-	-	-
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	2.40E-06	-	-	-	-	-	-	-
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	4.80E-06	-	-	-	-	-	-	-
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	4.80E-06	-	-	-	-	-	-	-
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	4.80E-06	-	-	-	-	-	-	-
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	4.80E-06	-	-	-	-	-	-	-

Appendix A
Potential HAP Emissions from Stationary Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			VANADIUM	XYLENE	ZINC	ZINC CHROMATE	TOTAL
AST	625925	HFR-6000 GALLONS	-	-	-	-	3.50E-01
AST	625926	HFR-6000 GALLONS	-	3.47E-04	-	-	3.99E-03
AST	625927	HFR-300 GALLONS	-	1.93E-05	-	-	2.89E-04
AST	625928	HFR-600 GALLONS	-	1.93E-05	-	-	2.89E-04
AST	625929	HFR-300 GALLONS	-	1.93E-05	-	-	2.89E-04
AST	625934	EFR-210000 GALLONS	-	-	-	-	1.79E-02
AST	625935	EFR-210000 GALLONS	-	-	-	-	1.79E-02
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	-	4.55E-04	-	1.20E-04	1.26E-01
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	-	-	-	-	5.64E-02
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	-	-	-	-	1.14E-01
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	-	-	-	-	6.52E-04
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	-	1.93E-05	-	-	9.29E-03
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	-	-	-	-	1.89E-01
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	-	1.93E-05	-	-	9.40E-03
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	-	-	-	-	1.35E-04
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	-	3.86E-05	-	-	1.99E-02
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	-	9.25E-05	-	-	4.76E-02
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	-	2.34E-04	-	-	3.11E-03
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	-	1.34E-04	-	-	1.78E-03
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	-	2.01E-05	-	-	2.67E-04
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	-	1.00E-05	-	-	1.33E-04
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	-	1.87E-04	-	-	2.49E-03
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	-	1.87E-04	-	-	2.49E-03
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	-	1.87E-04	-	-	2.49E-03
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	-	2.01E-05	-	-	2.67E-04
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	-	4.01E-05	-	-	5.34E-04
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	-	4.01E-05	-	-	5.34E-04
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	-	-	-	-	1.04E-04
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	-	-	-	-	3.63E-05
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	-	-	-	-	6.22E-05
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	-	-	-	-	1.92E-04
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	-	3.35E-06	-	-	4.45E-05
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	-	3.35E-06	-	-	4.45E-05
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	-	3.35E-06	-	-	4.45E-05
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	-	1.67E-06	-	-	2.22E-05
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	-	1.67E-06	-	-	2.22E-05
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	-	3.35E-06	-	-	4.45E-05
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	-	3.35E-06	-	-	4.45E-05
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	-	3.35E-06	-	-	4.45E-05
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	-	3.35E-06	-	-	4.45E-05

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	NATURAL GAS	3.2157	MMCUFT	ECOM-04	EF*Consumption	NATURAL GAS / RESIDENTIAL FURNACE / HEAT IN <0.3 MMBTU/HR / - / - / NO NOX CONTROL
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ECOM	625871	BASEWIDE - BOILER - NATURAL GAS - <0.3 MMBTU/HR	10024972	NITROUS OXIDE	2.2000	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			100414	ETHYL BENZENE	0.0095	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			10102440	NITROGEN DIOXIDE	94.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			106978	BUTANE	2.1000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			107028	ACROLEIN	0.0027	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			108883	TOLUENE	0.0034	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			109660	PENTANE	2.6000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			110543	N-HEXANE	1.8000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			115071	PROPYLENE	0.7310	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			120127	ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			124389	CARBON DIOXIDE	##########	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			129000	PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			1330207	XYLENE	0.0272	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			206440	FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			208968	ACENAPHTHYLENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			218019	CHRYSENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			25321226	BENZENE, DICHLORO-	0.0012	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			50000	FORMALDEHYDE	0.0750	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			50328	BENZO[A]PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			56495	3-METHYLCHOLANTHRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			57976	BENZ[A]ANTHRACENE, 7,12-DIMETHYL-	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			630080	CARBON MONOXIDE	40.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			71432	BENZENE	0.0021	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			7439921	LEAD	0.0005	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			7439965	MANGANESE	0.0004	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7439976	MERCURY	0.0003	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7439987	MOLYBDENUM	0.0011	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440020	NICKEL	0.0021	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440382	ARSENIC	0.0002	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440393	BARIUM	0.0044	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440417	BERYLLIUM	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440439	CADMIUM	0.0011	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440473	CHROMIUM	0.0014	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440484	COBALT	0.0001	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440508	COPPER	0.0009	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440622	VANADIUM	0.0023	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440666	ZINC	0.0290	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7446095	SULFUR DIOXIDE	0.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			74828	METHANE	2.3000	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			74840	ETHANE	3.1000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			74986	PROPANE	1.6000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			75070	ACETALDEHYDE	0.0043	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			7782492	SELENIUM	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			83329	ACENAPHTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			85018	PHENANTHRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			86737	FLUORENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			91203	NAPHTHALENE	0.0006	LB/MMCUF	No	AP42 TABLE 1.4-3

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ECOM								
ECOM								
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ECOM								
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	NATURAL GAS	6.5118	MMCUFT	ECOM-04	EF*Consumption	NATURAL GAS / - / 0.3 MMBTU/HR <= HEAT IN <=10 MMBTU/HR / NORMAL / - / NO NOX CONTROL
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ECOM			91576	NAPHTHALENE, 2-METHYL-	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			NOX	OXIDES OF NITROGEN	94.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0004	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			PM	PARTICULATE MATTER	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			PM10	PARTICULATE MATTER <10UM (PM10)	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			SOX	OXIDES OF SULFUR	0.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			TOC	TOTAL ORGANIC COMPOUNDS	11.0000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			VOC	VOLATILE ORGANIC COMPOUNDS	5.5000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM	625885	BASEWIDE - BOILER - NATURAL GAS - 0.3-10 MMBTU/HR	10024972	NITROUS OXIDE	2.2000	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			100414	ETHYL BENZENE	0.0095	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			10102440	NITROGEN DIOXIDE	100.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			106978	BUTANE	2.1000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			107028	ACROLEIN	0.0027	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			108883	TOLUENE	0.0034	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			109660	PENTANE	2.6000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			110543	N-HEXANE	1.8000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			115071	PROPYLENE	0.7310	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			120127	ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			124389	CARBON DIOXIDE	##########	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			129000	PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			1330207	XYLENE	0.0272	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			206440	FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			208968	ACENAPHTHYLENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			218019	CHRYSENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			25321226	BENZENE, DICHLORO-	0.0012	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			50000	FORMALDEHYDE	0.0750	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			50328	BENZO[A]PYRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			56495	3-METHYLCHOLANTHRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			57976	BENZ[A]ANTHRACENE, 7,12-DIMETHYL-	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			630080	CARBON MONOXIDE	84.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			71432	BENZENE	0.0021	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			7439921	LEAD	0.0005	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			7439965	MANGANESE	0.0004	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7439976	MERCURY	0.0003	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7439987	MOLYBDENUM	0.0011	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440020	NICKEL	0.0021	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440382	ARSENIC	0.0002	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440393	BARIUM	0.0044	LB/MMCUF	No	AP42 TABLE 1.4-4

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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ECOM								
ECOM								
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ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ECOM			7440417	BERYLLIUM	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440439	CADMIUM	0.0011	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440473	CHROMIUM	0.0014	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440484	COBALT	0.0001	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440508	COPPER	0.0009	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440622	VANADIUM	0.0023	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7440666	ZINC	0.0290	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			7446095	SULFUR DIOXIDE	0.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			74828	METHANE	2.3000	LB/MMCUF	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 1.4-2
ECOM			74840	ETHANE	3.1000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			74986	PROPANE	1.6000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			75070	ACETALDEHYDE	0.0043	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			7664417	AMMONIA	3.2000	LB/MMCUF	No	FIRE SCC 10200603
ECOM			7782492	SELENIUM	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-4
ECOM			83329	ACENAPHTHENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			85018	PHENANTHRENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			86737	FLUORENE	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			91203	NAPHTHALENE	0.0006	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			91576	NAPHTHALENE, 2-METHYL-	0.0000	LB/MMCUF	No	AP42 TABLE 1.4-3
ECOM			NOX	OXIDES OF NITROGEN	100.0000	LB/MMCUF	No	AP42 TABLE 1.4-1
ECOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0004	LB/MMCUF	No	VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT, NATURAL GAS FIRED EXTERNAL COMBUSTION EQUIPMENT
ECOM			PM	PARTICULATE MATTER	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			PM10	PARTICULATE MATTER <10UM (PM10)	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	7.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			SOX	OXIDES OF SULFUR	0.6000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			TOC	TOTAL ORGANIC COMPOUNDS	11.0000	LB/MMCUF	No	AP42 TABLE 1.4-2
ECOM			VOC	VOLATILE ORGANIC COMPOUNDS	5.5000	LB/MMCUF	No	AP42 TABLE 1.4-2
ICOM	625888	150 - GENERATOR - DIESEL - 350 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625889	126 - GENERATOR - DIESEL - 200 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625890	502 - GENERATOR - DIESEL - 30 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
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ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

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ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625891	600 - GENERATOR - DIESEL - 15 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM								
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625892	151 - GENERATOR - DIESEL - 280 KW - 1	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625893	151 - GENERATOR - DIESEL - 280 KW - 2	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

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ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625894	151 - GENERATOR - DIESEL - 280 KW - 3	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625895	600 - GENERATOR - DIESEL - 30 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	ENGINE RUN TIME	45.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625896	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2

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ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	ENGINE RUN TIME	45.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
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ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
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ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625897	AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING / ALL / NATURAL GAS
ICOM								
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	625922	308 - GENERATOR - NATURAL GAS - 100.67 KW	10024972	NITROUS OXIDE	0.0015	LB/MHPHR	No	-
ICOM			100414	ETHYL BENZENE	0.0002	LB/MHPHR	No	-
ICOM			100425	STYRENE	0.0008	LB/MHPHR	No	-
ICOM			106934	ETHYLENE DIBROMIDE	0.0001	LB/MHPHR	No	-

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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING / ALL / NATURAL GAS
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			106990	1,3-BUTADIENE	0.0046	LB/MHPHR	No	-
ICOM			107028	ACROLEIN	0.0184	LB/MHPHR	No	-
ICOM			108883	TOLUENE	0.0039	LB/MHPHR	No	-
ICOM			108907	CHLOROBENZENE	0.0001	LB/MHPHR	No	-
ICOM			124389	CARBON DIOXIDE	819.0000	LB/MHPHR	No	-
ICOM			1330207	XYLENE	0.0014	LB/MHPHR	No	-
ICOM			50000	FORMALDEHYDE	0.1440	LB/MHPHR	No	-
ICOM			542756	1,3-DICHLOROPROPENE	0.0001	LB/MHPHR	No	-
ICOM			56235	CARBON TETRACHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			630080	CARBON MONOXIDE	24.5700	LB/MHPHR	No	-
ICOM			67663	CHLOROFORM	0.0001	LB/MHPHR	No	-
ICOM			71432	BENZENE	0.0111	LB/MHPHR	No	-
ICOM			74828	METHANE	0.0770	LB/MHPHR	No	-
ICOM			75014	VINYL CHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			75070	ACETALDEHYDE	0.0195	LB/MHPHR	No	-
ICOM			75092	METHYLENE CHLORIDE	0.0003	LB/MHPHR	No	-
ICOM			79005	1,1,2-TRICHLOROETHANE	0.0001	LB/MHPHR	No	-
ICOM			79345	TETRACHLOROETHANE	0.0002	LB/MHPHR	No	-
ICOM			91203	NAPHTHALENE	0.0007	LB/MHPHR	No	-
ICOM			NOX	OXIDES OF NITROGEN	15.8900	LB/MHPHR	No	-
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	0.0665	LB/MHPHR	No	-
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0665	LB/MHPHR	No	-
ICOM			POM	POLYCYCLIC ORGANIC MATTER, TOTAL (POM)	0.0010	LB/MHPHR	No	-
ICOM			SOX	OXIDES OF SULFUR	0.0041	LB/MHPHR	No	-
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5060	LB/MHPHR	No	-
ICOM	625924	155 - GENERATOR - NATURAL GAS - 35 KW	10024972	NITROUS OXIDE	0.0015	LB/MHPHR	No	-
ICOM			100414	ETHYL BENZENE	0.0002	LB/MHPHR	No	-
ICOM			100425	STYRENE	0.0008	LB/MHPHR	No	-
ICOM			106934	ETHYLENE DIBROMIDE	0.0001	LB/MHPHR	No	-
ICOM			106990	1,3-BUTADIENE	0.0046	LB/MHPHR	No	-
ICOM			107028	ACROLEIN	0.0184	LB/MHPHR	No	-
ICOM			108883	TOLUENE	0.0039	LB/MHPHR	No	-
ICOM			108907	CHLOROBENZENE	0.0001	LB/MHPHR	No	-
ICOM			124389	CARBON DIOXIDE	819.0000	LB/MHPHR	No	-
ICOM			1330207	XYLENE	0.0014	LB/MHPHR	No	-
ICOM			50000	FORMALDEHYDE	0.1440	LB/MHPHR	No	-
ICOM			542756	1,3-DICHLOROPROPENE	0.0001	LB/MHPHR	No	-
ICOM			56235	CARBON TETRACHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			630080	CARBON MONOXIDE	24.5700	LB/MHPHR	No	-
ICOM			67663	CHLOROFORM	0.0001	LB/MHPHR	No	-
ICOM			71432	BENZENE	0.0111	LB/MHPHR	No	-
ICOM			74828	METHANE	0.0770	LB/MHPHR	No	-
ICOM			75014	VINYL CHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			75070	ACETALDEHYDE	0.0195	LB/MHPHR	No	-
ICOM			75092	METHYLENE CHLORIDE	0.0003	LB/MHPHR	No	-
ICOM			79005	1,1,2-TRICHLOROETHANE	0.0001	LB/MHPHR	No	-
ICOM			79345	TETRACHLOROETHANE	0.0002	LB/MHPHR	No	-
ICOM			91203	NAPHTHALENE	0.0007	LB/MHPHR	No	-

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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING / ALL / NATURAL GAS
ICOM								
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ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	ENGINE RUN TIME	24.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING / ALL / NATURAL GAS
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			NOX	OXIDES OF NITROGEN	15.8900	LB/MHPHR	No	-
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	0.0665	LB/MHPHR	No	-
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0665	LB/MHPHR	No	-
ICOM			POM	POLYCYCLIC ORGANIC MATTER, TOTAL (POM)	0.0010	LB/MHPHR	No	-
ICOM			SOX	OXIDES OF SULFUR	0.0041	LB/MHPHR	No	-
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5060	LB/MHPHR	No	-
ICOM	625931	603 - GENERATOR - NATURAL GAS - 60 KW	10024972	NITROUS OXIDE	0.0015	LB/MHPHR	No	-
ICOM			100414	ETHYL BENZENE	0.0002	LB/MHPHR	No	-
ICOM			100425	STYRENE	0.0008	LB/MHPHR	No	-
ICOM			106934	ETHYLENE DIBROMIDE	0.0001	LB/MHPHR	No	-
ICOM			106990	1,3-BUTADIENE	0.0046	LB/MHPHR	No	-
ICOM			107028	ACROLEIN	0.0184	LB/MHPHR	No	-
ICOM			108883	TOLUENE	0.0039	LB/MHPHR	No	-
ICOM			108907	CHLOROBENZENE	0.0001	LB/MHPHR	No	-
ICOM			124389	CARBON DIOXIDE	819.0000	LB/MHPHR	No	-
ICOM			1330207	XYLENE	0.0014	LB/MHPHR	No	-
ICOM			50000	FORMALDEHYDE	0.1440	LB/MHPHR	No	-
ICOM			542756	1,3-DICHLOROPROPENE	0.0001	LB/MHPHR	No	-
ICOM			56235	CARBON TETRACHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			630080	CARBON MONOXIDE	24.5700	LB/MHPHR	No	-
ICOM			67663	CHLOROFORM	0.0001	LB/MHPHR	No	-
ICOM			71432	BENZENE	0.0111	LB/MHPHR	No	-
ICOM			74828	METHANE	0.0770	LB/MHPHR	No	-
ICOM			75014	VINYL CHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			75070	ACETALDEHYDE	0.0195	LB/MHPHR	No	-
ICOM			75092	METHYLENE CHLORIDE	0.0003	LB/MHPHR	No	-
ICOM			79005	1,1,2-TRICHLOROETHANE	0.0001	LB/MHPHR	No	-
ICOM			79345	TETRACHLOROETHANE	0.0002	LB/MHPHR	No	-
ICOM			91203	NAPHTHALENE	0.0007	LB/MHPHR	No	-
ICOM			NOX	OXIDES OF NITROGEN	15.8900	LB/MHPHR	No	-
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	0.0665	LB/MHPHR	No	-
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0665	LB/MHPHR	No	-
ICOM			POM	POLYCYCLIC ORGANIC MATTER, TOTAL (POM)	0.0010	LB/MHPHR	No	-
ICOM			SOX	OXIDES OF SULFUR	0.0041	LB/MHPHR	No	-
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5060	LB/MHPHR	No	-
ICOM	625933	605 - GENERATOR - NATURAL GAS - 185 KW	10024972	NITROUS OXIDE	0.0015	LB/MHPHR	No	-
ICOM			100414	ETHYL BENZENE	0.0002	LB/MHPHR	No	-
ICOM			100425	STYRENE	0.0008	LB/MHPHR	No	-
ICOM			106934	ETHYLENE DIBROMIDE	0.0001	LB/MHPHR	No	-
ICOM			106990	1,3-BUTADIENE	0.0046	LB/MHPHR	No	-
ICOM			107028	ACROLEIN	0.0184	LB/MHPHR	No	-
ICOM			108883	TOLUENE	0.0039	LB/MHPHR	No	-
ICOM			108907	CHLOROBENZENE	0.0001	LB/MHPHR	No	-
ICOM			124389	CARBON DIOXIDE	819.0000	LB/MHPHR	No	-
ICOM			1330207	XYLENE	0.0014	LB/MHPHR	No	-

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Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	EL FUEL (INCLUDES BIODI	########	GAL	FLD-01	0.01246*EF*Consumption*VaporPressure*MolecularWeight/(FuelTemperature+459.67)	SUBMERGED FILL / NO VAPOR RECOVERY
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			50000	FORMALDEHYDE	0.1440	LB/MHPHR	No	-
ICOM			542756	1,3-DICHLOROPROPENE	0.0001	LB/MHPHR	No	-
ICOM			56235	CARBON TETRACHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			630080	CARBON MONOXIDE	24.5700	LB/MHPHR	No	-
ICOM			67663	CHLOROFORM	0.0001	LB/MHPHR	No	-
ICOM			71432	BENZENE	0.0111	LB/MHPHR	No	-
ICOM			74828	METHANE	0.0770	LB/MHPHR	No	-
ICOM			75014	VINYL CHLORIDE	0.0001	LB/MHPHR	No	-
ICOM			75070	ACETALDEHYDE	0.0195	LB/MHPHR	No	-
ICOM			75092	METHYLENE CHLORIDE	0.0003	LB/MHPHR	No	-
ICOM			79005	1,1,2-TRICHLOROETHANE	0.0001	LB/MHPHR	No	-
ICOM			79345	TETRACHLOROETHANE	0.0002	LB/MHPHR	No	-
ICOM			91203	NAPHTHALENE	0.0007	LB/MHPHR	No	-
ICOM			NOX	OXIDES OF NITROGEN	15.8900	LB/MHPHR	No	-
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	0.0665	LB/MHPHR	No	-
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0665	LB/MHPHR	No	-
ICOM			POM	POLYCYCLIC ORGANIC MATTER, TOTAL (POM)	0.0010	LB/MHPHR	No	-
ICOM			SOX	OXIDES OF SULFUR	0.0041	LB/MHPHR	No	-
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5060	LB/MHPHR	No	-
FLD	625936	BASEWIDE - DIESEL - TANK TO TRUCK	108383	M-XYLENE	0.0015	LB/LB	Yes	-
FLD			111659	OCTANE	0.0043	LB/LB	Yes	-
FLD			111842	NONANE	0.0159	LB/LB	Yes	-
FLD			1120214	UNDECANE	0.0601	LB/LB	Yes	-
FLD			112403	DODECANE	0.0494	LB/LB	Yes	-
FLD			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0064	LB/LB	Yes	-
FLD			124185	DECANE	0.0400	LB/LB	Yes	-
FLD			1330207	XYLENE	0.0011	LB/LB	Yes	-
FLD			25550145	ETHYLTOLUENE	0.0112	LB/LB	Yes	-
FLD			25551137	TRIMETHYLBENZENE	0.0027	LB/LB	Yes	-
FLD			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0047	LB/LB	Yes	-
FLD			28729546	METHYL PROPYL BENZENE	0.0086	LB/LB	Yes	-
FLD			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0037	LB/LB	Yes	-
FLD			30446958	METHYL UNDECANE	0.0244	LB/LB	Yes	-
FLD			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0068	LB/LB	Yes	-
FLD			544763	HEXADECANE	0.0074	LB/LB	Yes	-
FLD			629505	TRIDECANE	0.0424	LB/LB	Yes	-
FLD			629594	TETRADECANE	0.0334	LB/LB	Yes	-
FLD			629629	PENTADECANE	0.0217	LB/LB	Yes	-
FLD			629787	HEPTADECANE	0.0017	LB/LB	Yes	-
FLD			79004823	METHYL TRIDECANE	0.0139	LB/LB	Yes	-
FLD			79008847	TRIMETHYL DODECANE	0.0145	LB/LB	Yes	-
FLD			90454152	METHYL DODECANE	0.0461	LB/LB	Yes	-
FLD			91203	NAPHTHALENE	0.0047	LB/LB	Yes	-
FLD			91572575	DIMETHYL NONANE	0.0143	LB/LB	Yes	-
FLD			C12IPAR	C12 ISOPARAFFIN	0.0146	LB/LB	Yes	-
FLD			C2CHXA	C2 CYCLOHEXANES	0.0033	LB/LB	Yes	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	JP-8 (INCLUDES JET A)	########	GAL	FLD-01	0.01246*EF*Consumption*VaporPressure*MolecularWeight/(FuelTemperature+459.67)	SUBMERGED FILL / NO VAPOR RECOVERY
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FLD			C3B	C3 BENZENES	0.0070	LB/LB	Yes	-
FLD			C3CHXA	C3 CYCLOHEXANES	0.0076	LB/LB	Yes	-
FLD			C4B	C4 BENZENES	0.0202	LB/LB	Yes	-
FLD			C4CHXA	C4 CYCLOHEXANES	0.0023	LB/LB	Yes	-
FLD			C5B	C5 BENZENES	0.0097	LB/LB	Yes	-
FLD			C5CHXA	C5 CYCLOHEXANES	0.0071	LB/LB	Yes	-
FLD			C5CPTA	C5 CYCLOPENTANES	0.0042	LB/LB	Yes	-
FLD			C6CHXA	C6 CYCLOHEXANES	0.0074	LB/LB	Yes	-
FLD			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0025	LB/LB	Yes	-
FLD			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0160	LB/LB	Yes	-
FLD			DMUDC	DIMETHYL UNDECANES	0.0277	LB/LB	Yes	-
FLD			EDMB	ETHYL DIMETHYL BENZENES	0.0031	LB/LB	Yes	-
FLD			MDC	METHYL DECANES (C11H24)	0.0072	LB/LB	Yes	-
FLD			MDCL	METHYL DECALINES	0.0114	LB/LB	Yes	-
FLD			MOCA	METHYL OCTANES (C9H20)	0.0059	LB/LB	Yes	-
FLD			N/KVOC	UNKNOWN VOC	0.0018	LB/LB	Yes	-
FLD			VOC	VOLATILE ORGANIC COMPOUNDS	0.6000	LB/LB	No	-
FLD	625937	BASEWIDE - JP-8 - TANK TO TRUCK	108383	M-XYLENE	0.0015	LB/LB	Yes	AQUIS TABLE E-5
FLD			111659	OCTANE	0.0043	LB/LB	Yes	AQUIS TABLE E-5
FLD			111842	NONANE	0.0159	LB/LB	Yes	AQUIS TABLE E-5
FLD			1120214	UNDECANE	0.0601	LB/LB	Yes	AQUIS TABLE E-5
FLD			112403	DODECANE	0.0494	LB/LB	Yes	AQUIS TABLE E-5
FLD			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0064	LB/LB	Yes	AQUIS TABLE E-5
FLD			124185	DECANE	0.0400	LB/LB	Yes	AQUIS TABLE E-5
FLD			1330207	XYLENE	0.0011	LB/LB	Yes	AQUIS TABLE E-5
FLD			25550145	ETHYLTOLUENE	0.0112	LB/LB	Yes	AQUIS TABLE E-5
FLD			25551137	TRIMETHYLBENZENE	0.0027	LB/LB	Yes	AQUIS TABLE E-5
FLD			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0047	LB/LB	Yes	AQUIS TABLE E-5
FLD			28729546	METHYL PROPYL BENZENE	0.0086	LB/LB	Yes	AQUIS TABLE E-5
FLD			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0037	LB/LB	Yes	AQUIS TABLE E-5
FLD			30446958	METHYL UNDECANE	0.0244	LB/LB	Yes	AQUIS TABLE E-5
FLD			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0068	LB/LB	Yes	AQUIS TABLE E-5
FLD			544763	HEXADECANE	0.0074	LB/LB	Yes	AQUIS TABLE E-5
FLD			629505	TRIDECANE	0.0424	LB/LB	Yes	AQUIS TABLE E-5
FLD			629594	TETRADECANE	0.0334	LB/LB	Yes	AQUIS TABLE E-5
FLD			629629	PENTADECANE	0.0217	LB/LB	Yes	AQUIS TABLE E-5
FLD			629787	HEPTADECANE	0.0017	LB/LB	Yes	AQUIS TABLE E-5
FLD			79004823	METHYL TRIDECANE	0.0139	LB/LB	Yes	AQUIS TABLE E-5
FLD			79008847	TRIMETHYL DODECANE	0.0145	LB/LB	Yes	AQUIS TABLE E-5
FLD			90454152	METHYL DODECANE	0.0461	LB/LB	Yes	AQUIS TABLE E-5
FLD			91203	NAPHTHALENE	0.0047	LB/LB	Yes	AQUIS TABLE E-5
FLD			91572575	DIMETHYL NONANE	0.0143	LB/LB	Yes	AQUIS TABLE E-5
FLD			C12IPAR	C12 ISOPARAFFIN	0.0146	LB/LB	Yes	AQUIS TABLE E-5
FLD			C2CHXA	C2 CYCLOHEXANES	0.0033	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3B	C3 BENZENES	0.0070	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3CHXA	C3 CYCLOHEXANES	0.0076	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4B	C4 BENZENES	0.0202	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4CHXA	C4 CYCLOHEXANES	0.0023	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5B	C5 BENZENES	0.0097	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5CHXA	C5 CYCLOHEXANES	0.0071	LB/LB	Yes	AQUIS TABLE E-5

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	JP-8 (INCLUDES JET A)	########	GAL	FLD-01	0.01246*EF*Consumption*VaporPressure*MolecularWeight/(FuelTemperature+459.67)	SPLASH FILL / NO VAPOR RECOVERY
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FLD			C5CPTA	C5 CYCLOPENTANES	0.0042	LB/LB	Yes	AQUIS TABLE E-5
FLD			C6CHXA	C6 CYCLOHEXANES	0.0074	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0025	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0160	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMUDC	DIMETHYL UNDECANES	0.0277	LB/LB	Yes	AQUIS TABLE E-5
FLD			EDMB	ETHYL DIMETHYL BENZENES	0.0031	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDC	METHYL DECANES (C11H24)	0.0072	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDCL	METHYL DECALINES	0.0114	LB/LB	Yes	AQUIS TABLE E-5
FLD			MOCA	METHYL OCTANES (C9H20)	0.0059	LB/LB	Yes	AQUIS TABLE E-5
FLD			N/KVOC	UNKNOWN VOC	0.0018	LB/LB	Yes	AQUIS TABLE E-5
FLD			VOC	VOLATILE ORGANIC COMPOUNDS	0.6000	LB/LB	No	-
FLD	625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT	108383	M-XYLENE	0.0036	LB/LB	Yes	AQUIS TABLE E-5
FLD			111659	OCTANE	0.0104	LB/LB	Yes	AQUIS TABLE E-5
FLD			111842	NONANE	0.0384	LB/LB	Yes	AQUIS TABLE E-5
FLD			1120214	UNDECANE	0.1453	LB/LB	Yes	AQUIS TABLE E-5
FLD			112403	DODECANE	0.1195	LB/LB	Yes	AQUIS TABLE E-5
FLD			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0155	LB/LB	Yes	AQUIS TABLE E-5
FLD			124185	DECANE	0.0966	LB/LB	Yes	AQUIS TABLE E-5
FLD			1330207	XYLENE	0.0028	LB/LB	Yes	AQUIS TABLE E-5
FLD			25550145	ETHYLTOLUENE	0.0270	LB/LB	Yes	AQUIS TABLE E-5
FLD			25551137	TRIMETHYLBENZENE	0.0065	LB/LB	Yes	AQUIS TABLE E-5
FLD			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0115	LB/LB	Yes	AQUIS TABLE E-5
FLD			28729546	METHYL PROPYL BENZENE	0.0209	LB/LB	Yes	AQUIS TABLE E-5
FLD			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0090	LB/LB	Yes	AQUIS TABLE E-5
FLD			30446958	METHYL UNDECANE	0.0590	LB/LB	Yes	AQUIS TABLE E-5
FLD			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0165	LB/LB	Yes	AQUIS TABLE E-5
FLD			544763	HEXADECANE	0.0178	LB/LB	Yes	AQUIS TABLE E-5
FLD			629505	TRIDECANE	0.1025	LB/LB	Yes	AQUIS TABLE E-5
FLD			629594	TETRADECANE	0.0806	LB/LB	Yes	AQUIS TABLE E-5
FLD			629629	PENTADECANE	0.0523	LB/LB	Yes	AQUIS TABLE E-5
FLD			629787	HEPTADECANE	0.0041	LB/LB	Yes	AQUIS TABLE E-5
FLD			79004823	METHYL TRIDECANE	0.0335	LB/LB	Yes	AQUIS TABLE E-5
FLD			79008847	TRIMETHYL DODECANE	0.0351	LB/LB	Yes	AQUIS TABLE E-5
FLD			90454152	METHYL DODECANE	0.1114	LB/LB	Yes	AQUIS TABLE E-5
FLD			91203	NAPHTHALENE	0.0115	LB/LB	Yes	AQUIS TABLE E-5
FLD			91572575	DIMETHYL NONANE	0.0347	LB/LB	Yes	AQUIS TABLE E-5
FLD			C12IPAR	C12 ISOPARAFFIN	0.0354	LB/LB	Yes	AQUIS TABLE E-5
FLD			C2CHXA	C2 CYCLOHEXANES	0.0080	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3B	C3 BENZENES	0.0168	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3CHXA	C3 CYCLOHEXANES	0.0183	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4B	C4 BENZENES	0.0489	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4CHXA	C4 CYCLOHEXANES	0.0055	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5B	C5 BENZENES	0.0233	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5CHXA	C5 CYCLOHEXANES	0.0173	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5CPTA	C5 CYCLOPENTANES	0.0102	LB/LB	Yes	AQUIS TABLE E-5
FLD			C6CHXA	C6 CYCLOHEXANES	0.0178	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0059	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0386	LB/LB	Yes	AQUIS TABLE E-5

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
FLD								
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FLD	625939	BASEWIDE - JP-8 - AIRCRAFT DEFUELING	-	-	-	FLD-01	0.01246*EF*Consumption*VaporPressure*MolecularWeight/(FuelTemperature+459.67)	SPLASH FILL / NO VAPOR RECOVERY
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FLD			DMUDC	DIMETHYL UNDECANES	0.0670	LB/LB	Yes	AQUIS TABLE E-5
FLD			EDMB	ETHYL DIMETHYL BENZENES	0.0075	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDC	METHYL DECANES (C11H24)	0.0174	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDCL	METHYL DECALINES	0.0276	LB/LB	Yes	AQUIS TABLE E-5
FLD			MOCA	METHYL OCTANES (C9H20)	0.0144	LB/LB	Yes	AQUIS TABLE E-5
FLD			N/KVOC	UNKNOWN VOC	0.0044	LB/LB	Yes	AQUIS TABLE E-5
FLD			VOC	VOLATILE ORGANIC COMPOUNDS	1.4500	LB/LB	No	-
FLD	625939	BASEWIDE - JP-8 - AIRCRAFT DEFUELING	108383	M-XYLENE	0.0036	LB/LB	Yes	AQUIS TABLE E-5
FLD			111659	OCTANE	0.0104	LB/LB	Yes	AQUIS TABLE E-5
FLD			111842	NONANE	0.0384	LB/LB	Yes	AQUIS TABLE E-5
FLD			1120214	UNDECANE	0.1453	LB/LB	Yes	AQUIS TABLE E-5
FLD			112403	DODECANE	0.1195	LB/LB	Yes	AQUIS TABLE E-5
FLD			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0155	LB/LB	Yes	AQUIS TABLE E-5
FLD			124185	DECANE	0.0966	LB/LB	Yes	AQUIS TABLE E-5
FLD			1330207	XYLENE	0.0028	LB/LB	Yes	AQUIS TABLE E-5
FLD			25550145	ETHYLTOLUENE	0.0270	LB/LB	Yes	AQUIS TABLE E-5
FLD			25551137	TRIMETHYLBENZENE	0.0065	LB/LB	Yes	AQUIS TABLE E-5
FLD			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0115	LB/LB	Yes	AQUIS TABLE E-5
FLD			28729546	METHYL PROPYL BENZENE	0.0209	LB/LB	Yes	AQUIS TABLE E-5
FLD			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0090	LB/LB	Yes	AQUIS TABLE E-5
FLD			30446958	METHYL UNDECANE	0.0590	LB/LB	Yes	AQUIS TABLE E-5
FLD			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0165	LB/LB	Yes	AQUIS TABLE E-5
FLD			544763	HEXADECANE	0.0178	LB/LB	Yes	AQUIS TABLE E-5
FLD			629505	TRIDECANE	0.1025	LB/LB	Yes	AQUIS TABLE E-5
FLD			629594	TETRADECANE	0.0806	LB/LB	Yes	AQUIS TABLE E-5
FLD			629629	PENTADECANE	0.0523	LB/LB	Yes	AQUIS TABLE E-5
FLD			629787	HEPTADECANE	0.0041	LB/LB	Yes	AQUIS TABLE E-5
FLD			79004823	METHYL TRIDECANE	0.0335	LB/LB	Yes	AQUIS TABLE E-5
FLD			79008847	TRIMETHYL DODECANE	0.0351	LB/LB	Yes	AQUIS TABLE E-5
FLD			90454152	METHYL DODECANE	0.1114	LB/LB	Yes	AQUIS TABLE E-5
FLD			91203	NAPHTHALENE	0.0115	LB/LB	Yes	AQUIS TABLE E-5
FLD			91572575	DIMETHYL NONANE	0.0347	LB/LB	Yes	AQUIS TABLE E-5
FLD			C12IPAR	C12 ISOPARAFFIN	0.0354	LB/LB	Yes	AQUIS TABLE E-5
FLD			C2CHXA	C2 CYCLOHEXANES	0.0080	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3B	C3 BENZENES	0.0168	LB/LB	Yes	AQUIS TABLE E-5
FLD			C3CHXA	C3 CYCLOHEXANES	0.0183	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4B	C4 BENZENES	0.0489	LB/LB	Yes	AQUIS TABLE E-5
FLD			C4CHXA	C4 CYCLOHEXANES	0.0055	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5B	C5 BENZENES	0.0233	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5CHXA	C5 CYCLOHEXANES	0.0173	LB/LB	Yes	AQUIS TABLE E-5
FLD			C5CPTA	C5 CYCLOPENTANES	0.0102	LB/LB	Yes	AQUIS TABLE E-5
FLD			C6CHXA	C6 CYCLOHEXANES	0.0178	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0059	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0386	LB/LB	Yes	AQUIS TABLE E-5
FLD			DMUDC	DIMETHYL UNDECANES	0.0670	LB/LB	Yes	AQUIS TABLE E-5
FLD			EDMB	ETHYL DIMETHYL BENZENES	0.0075	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDC	METHYL DECANES (C11H24)	0.0174	LB/LB	Yes	AQUIS TABLE E-5
FLD			MDCL	METHYL DECALINES	0.0276	LB/LB	Yes	AQUIS TABLE E-5

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
FLD								
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FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	EL FUEL (INCLUDES BIODI	370.0000	GAL	FDSP-02	EF*Consumption	DIESEL
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FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	EL FUEL (INCLUDES BIODI	########	GAL	FDSP-02	EF*Consumption	DIESEL

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FLD			MOCA	METHYL OCTANES (C9H20)	0.0144	LB/LB	Yes	AQUIS TABLE E-5
FLD			N/KVOC	UNKNOWN VOC	0.0044	LB/LB	Yes	AQUIS TABLE E-5
FLD			VOC	VOLATILE ORGANIC COMPOUNDS	1.4500	LB/LB	No	-
FDSP	626019	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	108383	M-XYLENE	0.0000	LB/GAL	Yes	-
FDSP			111659	OCTANE	0.0000	LB/GAL	Yes	-
FDSP			111842	NONANE	0.0000	LB/GAL	Yes	-
FDSP			1120214	UNDECANE	0.0001	LB/GAL	Yes	-
FDSP			112403	DODECANE	0.0001	LB/GAL	Yes	-
FDSP			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0000	LB/GAL	Yes	-
FDSP			124185	DECANE	0.0001	LB/GAL	Yes	-
FDSP			1330207	XYLENE	0.0000	LB/GAL	Yes	-
FDSP			25550145	ETHYLTOLUENE	0.0000	LB/GAL	Yes	-
FDSP			25551137	TRIMETHYLBENZENE	0.0000	LB/GAL	Yes	-
FDSP			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			28729546	METHYL PROPYL BENZENE	0.0000	LB/GAL	Yes	-
FDSP			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			30446958	METHYL UNDECANE	0.0000	LB/GAL	Yes	-
FDSP			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			544763	HEXADECANE	0.0000	LB/GAL	Yes	-
FDSP			629505	TRIDECANE	0.0001	LB/GAL	Yes	-
FDSP			629594	TETRADECANE	0.0001	LB/GAL	Yes	-
FDSP			629629	PENTADECANE	0.0000	LB/GAL	Yes	-
FDSP			629787	HEPTADECANE	0.0000	LB/GAL	Yes	-
FDSP			79004823	METHYL TRIDECANE	0.0000	LB/GAL	Yes	-
FDSP			79008847	TRIMETHYL DODECANE	0.0000	LB/GAL	Yes	-
FDSP			90454152	METHYL DODECANE	0.0001	LB/GAL	Yes	-
FDSP			91203	NAPHTHALENE	0.0000	LB/GAL	Yes	-
FDSP			91572575	DIMETHYL NONANE	0.0000	LB/GAL	Yes	-
FDSP			C12IPAR	C12 ISOPARAFFIN	0.0000	LB/GAL	Yes	-
FDSP			C2CHXA	C2 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C3B	C3 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C3CHXA	C3 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C4B	C4 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C4CHXA	C4 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C5B	C5 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C5CHXA	C5 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C5CPTA	C5 CYCLOPENTANES	0.0000	LB/GAL	Yes	-
FDSP			C6CHXA	C6 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0000	LB/GAL	Yes	-
FDSP			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0000	LB/GAL	Yes	-
FDSP			DMUDC	DIMETHYL UNDECANES	0.0000	LB/GAL	Yes	-
FDSP			EDMB	ETHYL DIMETHYL BENZENES	0.0000	LB/GAL	Yes	-
FDSP			MDC	METHYL DECANES (C11H24)	0.0000	LB/GAL	Yes	-
FDSP			MDCL	METHYL DECALINES	0.0000	LB/GAL	Yes	-
FDSP			MOCA	METHYL OCTANES (C9H20)	0.0000	LB/GAL	Yes	-
FDSP			N/KVOC	UNKNOWN VOC	0.0000	LB/GAL	Yes	-
FDSP			VOC	VOLATILE ORGANIC COMPOUNDS	0.0009	LB/GAL	No	-
FDSP	626020	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	108383	M-XYLENE	0.0000	LB/GAL	Yes	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
FDSP								
FDSP								
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FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	GASOLINE (INCLUDES E85	########	GAL	FDSP-02	EF*Consumption	GASOLINE / SPLASH FILLING / NONE
FDSP								
FDSP								
FDSP								
FDSP								
FDSP								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FDSP			111659	OCTANE	0.0000	LB/GAL	Yes	-
FDSP			111842	NONANE	0.0000	LB/GAL	Yes	-
FDSP			1120214	UNDECANE	0.0001	LB/GAL	Yes	-
FDSP			112403	DODECANE	0.0001	LB/GAL	Yes	-
FDSP			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0000	LB/GAL	Yes	-
FDSP			124185	DECANE	0.0001	LB/GAL	Yes	-
FDSP			1330207	XYLENE	0.0000	LB/GAL	Yes	-
FDSP			25550145	ETHYLTOLUENE	0.0000	LB/GAL	Yes	-
FDSP			25551137	TRIMETHYLBENZENE	0.0000	LB/GAL	Yes	-
FDSP			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			28729546	METHYL PROPYL BENZENE	0.0000	LB/GAL	Yes	-
FDSP			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			30446958	METHYL UNDECANE	0.0000	LB/GAL	Yes	-
FDSP			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0000	LB/GAL	Yes	-
FDSP			544763	HEXADECANE	0.0000	LB/GAL	Yes	-
FDSP			629505	TRIDECANE	0.0001	LB/GAL	Yes	-
FDSP			629594	TETRADECANE	0.0001	LB/GAL	Yes	-
FDSP			629629	PENTADECANE	0.0000	LB/GAL	Yes	-
FDSP			629787	HEPTADECANE	0.0000	LB/GAL	Yes	-
FDSP			79004823	METHYL TRIDECANE	0.0000	LB/GAL	Yes	-
FDSP			79008847	TRIMETHYL DODECANE	0.0000	LB/GAL	Yes	-
FDSP			90454152	METHYL DODECANE	0.0001	LB/GAL	Yes	-
FDSP			91203	NAPHTHALENE	0.0000	LB/GAL	Yes	-
FDSP			91572575	DIMETHYL NONANE	0.0000	LB/GAL	Yes	-
FDSP			C12IPAR	C12 ISOPARAFFIN	0.0000	LB/GAL	Yes	-
FDSP			C2CHXA	C2 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C3B	C3 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C3CHXA	C3 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C4B	C4 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C4CHXA	C4 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C5B	C5 BENZENES	0.0000	LB/GAL	Yes	-
FDSP			C5CHXA	C5 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			C5CPTA	C5 CYCLOPENTANES	0.0000	LB/GAL	Yes	-
FDSP			C6CHXA	C6 CYCLOHEXANES	0.0000	LB/GAL	Yes	-
FDSP			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0000	LB/GAL	Yes	-
FDSP			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0000	LB/GAL	Yes	-
FDSP			DMUDC	DIMETHYL UNDECANES	0.0000	LB/GAL	Yes	-
FDSP			EDMB	ETHYL DIMETHYL BENZENES	0.0000	LB/GAL	Yes	-
FDSP			MDC	METHYL DECANES (C11H24)	0.0000	LB/GAL	Yes	-
FDSP			MDCL	METHYL DECALINES	0.0000	LB/GAL	Yes	-
FDSP			MOCA	METHYL OCTANES (C9H20)	0.0000	LB/GAL	Yes	-
FDSP			N/KVOC	UNKNOWN VOC	0.0000	LB/GAL	Yes	-
FDSP			VOC	VOLATILE ORGANIC COMPOUNDS	0.0009	LB/GAL	No	-
FDSP	626021	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	100414	ETHYL BENZENE	0.0001	LB/GAL	Yes	-
FDSP			103651	N-PROPYLBENZENE	0.0004	LB/GAL	Yes	-
FDSP			106423	P-XYLENE	0.0004	LB/GAL	Yes	-
FDSP			1069530	2,3,5-TRIMETHYL HEXANE	0.0004	LB/GAL	Yes	-
FDSP			106978	BUTANE	0.0004	LB/GAL	Yes	-
FDSP			106989	1-BUTENE	0.0004	LB/GAL	Yes	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FDSP			1074437	1-METHYL-3-PROPYLBENZENE	0.0004	LB/GAL	Yes	-
FDSP			107835	2-METHYLPENTANE	0.0004	LB/GAL	Yes	-
FDSP			108087	2,4-DIMETHYL PENTANE	0.0004	LB/GAL	Yes	-
FDSP			108678	1,3,5-TRIMETHYLBENZENE	0.0004	LB/GAL	Yes	-
FDSP			108872	METHYLCYCLOHEXANE	0.0004	LB/GAL	Yes	-
FDSP			108883	TOLUENE	0.0002	LB/GAL	Yes	-
FDSP			109660	PENTANE	0.0008	LB/GAL	Yes	-
FDSP			109671	1-PENTENE	0.0001	LB/GAL	Yes	-
FDSP			110543	N-HEXANE	0.0001	LB/GAL	Yes	-
FDSP			110838	CYCLOHEXENE	0.0001	LB/GAL	Yes	-
FDSP			111842	NONANE	0.0000	LB/GAL	Yes	-
FDSP			124185	DECANE	0.0000	LB/GAL	Yes	-
FDSP			135013	O-DIETHYLBENZENE	0.0000	LB/GAL	Yes	-
FDSP			142290	CYCLOPENTENE	0.0000	LB/GAL	Yes	-
FDSP			142825	HEPTANE	0.0000	LB/GAL	Yes	-
FDSP			15869928	3,4-DIMETHYL OCTANE	0.0000	LB/GAL	Yes	-
FDSP			287923	CYCLOPENTANE	0.0001	LB/GAL	Yes	-
FDSP			3522949	HEXANE, 2,2,5-TRIMETHYL-	0.0000	LB/GAL	Yes	-
FDSP			4050457	TRANS-2-HEXENE	0.0000	LB/GAL	Yes	-
FDSP			496117	INDAN	0.0000	LB/GAL	Yes	-
FDSP			513359	2-METHYL-2-BUTENE	0.0002	LB/GAL	Yes	-
FDSP			526738	1,2,3-TRIMETHYLBENZENE	0.0000	LB/GAL	Yes	-
FDSP			535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	0.0000	LB/GAL	Yes	-
FDSP			540841	2,2,4-TRIMETHYLPENTANE	0.0000	LB/GAL	Yes	-
FDSP			560214	PENTANE, 2,3,3-TRIMETHYL-	0.0000	LB/GAL	Yes	-
FDSP			563451	1-BUTENE, 3-METHYL-	0.0000	LB/GAL	Yes	-
FDSP			565753	2,3,4-TRIMETHYLPENTANE	0.0000	LB/GAL	Yes	-
FDSP			589344	3-METHYLHEXANE (10-20%)	0.0000	LB/GAL	Yes	-
FDSP			589435	2,4-DIMETHYL HEXANE	0.0000	LB/GAL	Yes	-
FDSP			589537	4-METHYLHEPTANE	0.0000	LB/GAL	Yes	-
FDSP			589811	3-METHYLHEPTANE	0.0000	LB/GAL	Yes	-
FDSP			590181	CIS-2-BUTENE	0.0002	LB/GAL	Yes	-
FDSP			592278	2-METHYLHEPTANE	0.0000	LB/GAL	Yes	-
FDSP			592416	1-HEXENE	0.0000	LB/GAL	Yes	-
FDSP			620144	M-ETHYLTOLUENE	0.0000	LB/GAL	Yes	-
FDSP			624646	TRANS-2-BUTENE	0.0004	LB/GAL	Yes	-
FDSP			625274	2-METHYL-2-PENTENE	0.0000	LB/GAL	Yes	-
FDSP			627203	CIS-2-PENTENE	0.0001	LB/GAL	Yes	-
FDSP			646048	TRANS-2-PENTENE	0.0002	LB/GAL	Yes	-
FDSP			693890	1-METHYL CYCLOPENTENE	0.0000	LB/GAL	Yes	-
FDSP			6975980	2-METHYLDECANE	0.0000	LB/GAL	Yes	-
FDSP			71432	BENZENE	0.0001	LB/GAL	Yes	-
FDSP			75285	ISOBUTANE	0.0017	LB/GAL	Yes	-
FDSP			75832	2,2-DIMETHYLBUTANE	0.0000	LB/GAL	Yes	-
FDSP			78784	ISOPENTANE	0.0018	LB/GAL	Yes	-
FDSP			78795	ISOPRENE	0.0000	LB/GAL	Yes	-
FDSP			79298	2,3-DIMETHYLBUTANE	0.0001	LB/GAL	Yes	-
FDSP			926829	HEPTANE, 3,5-DIMETHYL-	0.0000	LB/GAL	Yes	-
FDSP			95476	O-XYLENE	0.0000	LB/GAL	Yes	-
FDSP			95636	1,2,4-TRIMETHYLBENZENE	0.0000	LB/GAL	Yes	-
FDSP			96140	3-METHYLPENTANE	0.0001	LB/GAL	Yes	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
FDSP								
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FDSP								
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	JP-8 (INCLUDES JET A)	########	GAL	FDSP-02	EF*Consumption	JP-8
FDSP								
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FDSP								
FDSP								
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
FDSP			96377	METHYLCYCLOPENTANE	0.0001	LB/GAL	Yes	-
FDSP			C10ARO	C10 AROMATICS	0.0000	LB/GAL	Yes	-
FDSP			C6OLE	C6 OLEFINS	0.0000	LB/GAL	Yes	-
FDSP			DMHXE	DIMETHYL HEXENES	0.0000	LB/GAL	Yes	-
FDSP			N/KVOC	UNKNOWN VOC	0.0004	LB/GAL	Yes	-
FDSP			VOC	VOLATILE ORGANIC COMPOUNDS	0.0115	LB/GAL	No	-
FDSP	626023	BASEWIDE - JP-8 - TRUCK TO AGE	108383	M-XYLENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			111659	OCTANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			111842	NONANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			1120214	UNDECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			112403	DODECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			124185	DECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			1330207	XYLENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			25550145	ETHYLTOLUENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			25551137	TRIMETHYLBENZENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			25619607	TETRAMETHYL BENZENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			28729546	METHYL PROPYL BENZENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			28804888	DIMETHYL NAPHTHALENE (MIXED ISOMERS)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			30446958	METHYL UNDECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			31291711	METHYL TETRALIN (MIXED ISOMERS)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			544763	HEXADECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			629505	TRIDECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			629594	TETRADECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			629629	PENTADECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			629787	HEPTADECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			79004823	METHYL TRIDECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			79008847	TRIMETHYL DODECANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			90454152	METHYL DODECANE	0.0001	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			91203	NAPHTHALENE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			91572575	DIMETHYL NONANE	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C12IPAR	C12 ISOPARAFFIN	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C2CHXA	C2 CYCLOHEXANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C3B	C3 BENZENES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C3CHXA	C3 CYCLOHEXANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C4B	C4 BENZENES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C4CHXA	C4 CYCLOHEXANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C5B	C5 BENZENES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C5CHXA	C5 CYCLOHEXANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C5CPTA	C5 CYCLOPENTANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			C6CHXA	C6 CYCLOHEXANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			DMHTA	DIMETHYL HEPTANES (C9H20)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			DMTOCA	DIMETHYL OCTANES (C10H22)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			DMUDC	DIMETHYL UNDECANES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			EDMB	ETHYL DIMETHYL BENZENES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			MDC	METHYL DECANES (C11H24)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			MDCL	METHYL DECALINES	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			MOCA	METHYL OCTANES (C9H20)	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			N/KVOC	UNKNOWN VOC	0.0000	LB/GAL	Yes	AQUIS TABLE E-5
FDSP			VOC	VOLATILE ORGANIC COMPOUNDS	0.0009	LB/GAL	No	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
DEGR	626093	BASEWIDE - COLD DIP TANK - DEGREASER	FETY-KLEEN PREMIUM GC	3.0000	GAL	DEGR-04	NetConsumption*Density*Constituent/100	ANY / ANY
DEGR								
DEGR						DEGR-05	NetConsumption*Density*VOC Content/100	COLD CLEANER/NONE
CELL	626095	BASEWIDE - FUEL CELL REPAIR - KC-135R	-	-	-	CELL-03A	0.00025*Volume*0.134*NumOf Purges*QtyIssued	ANY
CELL								
CELL								
CELL								
CELL								
CELL								
CELL								
CELL								
CELL								
ABCL	626097	BASEWIDE - ENCLOSED - MISCELANEOUS BLAST MEDIA	PLASTIC MEDIA	10.0000	LBS	ABCL-07	WasteCollected*(100/ControlEfficiency-1)	ANY
WOOD	626098	600 - WOODWORKING OPERATIONS	CTED FROM WOODWORK	169.0000	LBS	WOOD-03	WasteCollected*(100/ControlEfficiency-1)	EQUIPMENT
ODC	626099	BASEWIDE - ODC - EQUIPMENT REFRIGERANT ADDITIONS	HCFC-22	51.5000	LBS	ODC-01	Consumption*Constituent/100	ANY
ODC			R-134A	10.4300	LBS			
ODC			R-404A	12.1500	LBS			
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CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	Various EESOH Materials	Various Usage	Various UOM	CHEM-07	CONSUMPTION*VOCCONTENT/100	VOC
CHEM						CHEM-08	Consumption*PCTSOLIDS/100*(1-TRANSFER EFFICIENCY/100)	PM
CHEM						CHEM-09	CONSUMPTION*WTPCTHAP/100	VOLATILE HAPS FROM MISC CHEM USAGE
CHEM						CHEM-10	CONSUMPTION*WTPCTHAP/100*(1-TRANSFER EFFICIENCY/100)	PARTICULATE HAPS FROM MISC CHEM USAGE
SURF	629470	SURFACE COATING - STRUCTURAL REPAIR	Various EESOH Materials	Various Usage	Various UOM	SURF-06	CONSUMPTION*VOCCONTENT/100	VOC
SURF						SURF-07	EF*CONSUMPTION*PCTSOLIDS/100*(1-TRANSFER EFFICIENCY/100)	ANY
SURF								

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
DEGR	626093	BASEWIDE - COLD DIP TANK - DEGREASER	71556	1,1,1-TRICHLOROETHANE	-	-	No	ENGINEERING ESTIMATE
DEGR			78922	SEC-BUTYL ALCOHOL	-	-	No	ENGINEERING ESTIMATE
DEGR			VOC	VOLATILE ORGANIC COMPOUNDS	-	-	No	UNITED STATES AIR FORCE IERA, AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, JANUARY 2002, PGS 167 AND 169
CELL	626095	BASEWIDE - FUEL CELL REPAIR - KC-135R	100414	ETHYL BENZENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			108883	TOLUENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			110543	N-HEXANE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			1330207	XYLENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			2092664	2,2,3-TRIMETHYLPENTANE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			71432	BENZENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			91203	NAPHTHALENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			98828	CUMENE	-	-	Yes	JP-8 VOLATILITY STUDY, MARCH 2001
CELL			VOC	VOLATILE ORGANIC COMPOUNDS	-	-	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, IERA MANUAL, MAY 1999
ABCL	626097	BASEWIDE - ENCLOSED - MISCELANEOUS BLAST MEDIA	PM	PARTICULATE MATTER	-	-	No	UNITED STATES AIR FORCE IERA - AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR STATIONARY SOURCES AT AIR FORCE INSTALLATIONS - MAY 1999, PAGE 13-14
WOOD	626098	600 - WOODWORKING OPERATIONS	PM	PARTICULATE MATTER	-	-	No	-
ODC	626099	BASEWIDE - ODC - EQUIPMENT REFRIGERANT ADDITIONS	124732	1,2-DIBROMO-1,1,2,2-TETRAFLUOROETHANE	-	-	No	-
ODC			1717006	HCFC-141B	1.0000	LB/LB	No	-
ODC			353593	HALON 1211	-	-	No	-
ODC			354585	CFC-113A	-	-	No	-
ODC			56235	CARBON TETRACHLORIDE	-	-	No	-
ODC			71556	1,1,1-TRICHLOROETHANE	-	-	No	-
ODC			74839	METHYL BROMIDE	-	-	No	-
ODC			75456	HCFC-22	1.0000	LB/LB	No	-
ODC			75638	TRIFLUOROMONOBROMOMETHANE	-	-	No	-
ODC			75694	FLUOROTRICHLOROMETHANE	-	-	No	-
ODC			75718	DICHLORODIFLUOROMETHANE	-	-	No	-
ODC			75729	METHANE, CHLOROTRIFLUORO-	-	-	No	-
ODC			76120	1,1,2,2-TETRACHLORO-1,2-DIFLUOROETHANE	-	-	No	-
ODC			76131	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	-	-	No	-
ODC			76142	CFC-114	-	-	No	-
ODC			76153	CHLOROPENTAFLUOROETHANE	-	-	No	-
CHEM	629469	BASEWIDE MISCELLANEOUS CHEMICAL USAGE	VOC	VOLATILE ORGANIC COMPOUNDS	-	-	No	-
CHEM			PM	PARTICULATE MATTER	-	-	No	-
CHEM			-	ALL VOLATILE HAPS	-	-	No	-
CHEM			-	ALL PARTICULATE HAPS	-	-	No	-
SURF	629470	SURFACE COATING - STRUCTURAL REPAIR	VOC	VOLATILE ORGANIC COMPOUNDS	-	-	No	-
SURF			PM	PARTICULATE MATTER	1.0000	LB/LB	No	-
SURF			PM10	PARTICULATE MATTER <10UM (PM10)	0.4700	LB/LB	No	-

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
SURF						SURF-08	CONSUMPTION*CONSTITUENT/100	VOLATILE HAPS FROM SURFACE COATING
SURF						SURF-09	CONSUMPTION*CONSTITUENT/100*(1-TRANSFER EFFICIENCY/100)	PARTICULATE HAPS FROM SURFACE COATING
WELD	629471	BASEWIDE WELDING OPERATIONS	WELDING RODS	119.0000	EACH	WELD-03	EF*NetConsumption/1000	SHIELDED METAL ARC/E6011
WELD			Various EESOH Materials	Various Usage	Various UOM			
WELD								
WELD								
WELD								
WELD								
PEST	629472	BASEWIDE PEST CONTROL	VERDALE 2, 4-D L.V. 4 EST	0.5400	LBS	PEST-03	WtPctVOC/100*Consumption	ANY
PEST			RAZOR PRO	2.5900	LBS			
PEST			TEMPO SC ULTRA INSECTICI	1.4100	LBS			
PEST			IMAGE 70 DG HERBICIDE	0.3900	LBS			
PEST			REWARD LANDSCAPE AND AQUATIC	46.6600	LBS			
PEST			SURFLAN A.S. HERBICIDE - ORNAM	1.7000	LBS			
PEST			AMDRO FIRE ANT BAIT	4.1700	LBS			
PEST			RANGER PRO	53.3200	LBS			
PEST			STING-X II	53.3600	LBS			
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
SURF			-	ALL VOLATILE HAPS	-	-	No	-
SURF			-	ALL PARTICULATE HAPS	-	-	No	-
WELD	629471	BASEWIDE WELDING OPERATIONS	7439965	MANGANESE	0.9980	LB/MLB	No	-
WELD			7440020	NICKEL	0.0050	LB/MLB	No	-
WELD			7440473	CHROMIUM	0.0050	LB/MLB	No	-
WELD			7440484	COBALT	0.0010	LB/MLB	No	-
WELD			PM	PARTICULATE MATTER	38.4000	LB/MLB	No	-
WELD			PM10	PARTICULATE MATTER <10UM (PM10)	38.4000	LB/MLB	No	-
PEST	629472	BASEWIDE PEST CONTROL	VOC	VOLATILE ORGANIC COMPOUNDS	-	-	No	-
PEST								
PEST		TE						
PEST								
PEST		REWARD L						
PEST		SURFLA						
PEST								
PEST								
PEST								
ICOM	667907	600 - GENERATOR - DIESEL - 5 KW - 1	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667910	600 - GENERATOR - DIESEL - 5 KW - 2	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

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ICOM								
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667913	600 - GENERATOR - DIESEL - 5 KW - 3	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	ENGINE RUN TIME	6.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667917	600 - GENERATOR - DIESEL - 2.5 KW - 1	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	ENGINE RUN TIME	6.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667920	600 - GENERATOR - DIESEL - 2.5 KW - 2	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

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Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667921	600 - GENERATOR - DIESEL - 5 KW - 4	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2

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Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
ICOM								
ICOM								
ICOM								
ICOM								
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ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667922	600 - GENERATOR - DIESEL - 5 KW - 5	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667923	600 - GENERATOR - DIESEL - 5 KW - 6	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	ENGINE RUN TIME	12.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667924	600 - GENERATOR - DIESEL - 5 KW - 7	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

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Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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ICOM	667925	238 ASOS - PORTABLE GENERATOR - DIESEL - 10 KW	ENGINE RUN TIME	310.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667925	238 ASOS - PORTABLE GENERATOR - DIESEL - 10 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	667926	238 ASOS - PORTABLE GENERATOR - DIESEL - 3 KW	ENGINE RUN TIME	86.0000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667926	238 ASOS - PORTABLE GENERATOR - DIESEL - 3 KW	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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ICOM	667927	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-01	ENGINE RUN TIME	54.4000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667927	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-01	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

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ICOM	667928	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-02	ENGINE RUN TIME	25.6000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667928	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-02	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
ICOM								
ICOM								
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ICOM	667929	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-02	ENGINE RUN TIME	22.7000	HRS	ICOM-11	(PeakDemand*1.341*OperatingTime)/1000*EF	RECIPROCATING/<=600 HP/DIESEL - 1/2003
ICOM								
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Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM	667929	238 ASOS-PORTABLE GENERATOR-DIESEL-5.5 KW-02	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API Compendium, 2004, Table 4-6
ICOM			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
ICOM			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
ICOM								
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PPWR	668059	BASEWIDE PURCHASED POWER	PURCHASED POWER	########	MWH	PPWR-01	PowerUsed*EF	CA CLIMATE ACTION REGISTRY / MISSISSIPPI / 2001-2003
PPWR								
PPWR								

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
ICOM			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
ICOM			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
ICOM			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
ICOM			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
ICOM			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
PPWR	668059	BASEWIDE PURCHASED POWER	10024972	NITROUS OXIDE	0.0132	LBS/MWH	No	CALIFORNIA CLIMATE ACTION REGISTRY GENERAL REPORTING PROTOCOL, VERSION 2.2, MARCH 2007, TABLE C.2
PPWR			74828	METHANE	0.0165	LBS/MWH	No	CALIFORNIA CLIMATE ACTION REGISTRY GENERAL REPORTING PROTOCOL, VERSION 2.2, MARCH 2007, TABLE C.2
PPWR			CO2E-CH4	CO2 EQUIVALENT FOR METHANE	0.3465	LBS/MWH	No	EMISSION FACTOR IS DERIVED FROM THE CALIFORNIA CLIMATE ACTION REGISTRY GENERAL REPORTING PROTOCOL, VERSION 2.2, MARCH 2007, TABLE C.2 AND THE 100 YEAR GLOBAL WARMING POTENTIALS (GWPS), PUBLISHED BY THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC), SECOND ASSESSMENT REPORT (SAR) 1996. (EF*GWPS=CO2E EF) THE CARBON DIOXIDE EQUIVALENT FOR A GAS IS DERIVED BY MULTIPLYING THE TONS OF THE GAS EMITTED BY THE ASSOCIATED GWP. GWPS FROM THE 1996 SAR ARE USED IN ACCORDANCE WITH UNFCCC GUIDELINES (SOURCE: 2006 U.S. INVENTORY OF GREENHOUSE GAS EMISSIONS AND SINKS: FAST FACTS (PDF, 2 PP., 220 KB)

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
PPWR								
PPWR								SECTION 1605(B) / REGION (4) MO, KY, VA, AR, TN, NC, SC, LA, MS, AL, GA / 1999-2002
PPWR								
PPWR								
PPWR								
PPWR								

Appendix A
Emission Factors and Calculation Methodologies for Stationary Sources

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
PPWR			CO2E-N2O	CO2 EQUIVALENT FOR NITROUS OXIDE	4.0920	LBS/MWH	No	EMISSION FACTOR IS DERIVED FROM THE CALIFORNIA CLIMATE ACTION REGISTRY GENERAL REPORTING PROTOCOL, VERSION 2.2, MARCH 2007, TABLE C.2 AND THE 100 YEAR GLOBAL WARMING POTENTIALS (GWPS), PUBLISHED BY THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC), SECOND ASSESSMENT REPORT (SAR) 1996. (EF*GWPS=CO2E EF) THE CARBON DIOXIDE EQUIVALENT FOR A GAS IS DERIVED BY MULTIPLYING THE TONS OF THE GAS EMITTED BY THE ASSOCIATED GWP. GWPS FROM THE 1996 SAR ARE USED IN ACCORDANCE WITH UNFCCC GUIDELINES (SOURCE: 2006 U.S. INVENTORY OF GREENHOUSE GAS EMISSIONS AND SINKS: FAST FACTS (PDF, 2 PP., 220 KB)
PPWR			10024972	NITROUS OXIDE	0.0283	LBS/MWH	No	DOE FORM EIA-1605(2007) APPENDIX F. ELECTRICITY EMISSION FACTORS, TABLE F.1 DOMESTIC ELECTRICITY EMISSION FACTORS, 1999-2002
PPWR			124389	CARBON DIOXIDE	1,521.1878	LBS/MWH	No	DOE FORM EIA-1605(2007) APPENDIX F. ELECTRICITY EMISSION FACTORS, TABLE F.1 DOMESTIC ELECTRICITY EMISSION FACTORS, 1999-2002
PPWR			74828	METHANE	0.0564	LBS/MWH	No	DOE FORM EIA-1605(2007) APPENDIX F. ELECTRICITY EMISSION FACTORS, TABLE F.1 DOMESTIC ELECTRICITY EMISSION FACTORS, 1999-2002
PPWR			CO2E-CH4	CO2 EQUIVALENT FOR METHANE	1.1834	LBS/MWH	No	EMISSION FACTOR IS DERIVED FROM THE DOE FORM EIA-1605(2007) APPENDIX F. ELECTRICITY EMISSION FACTORS, TABLE F.1 DOMESTIC ELECTRICITY EMISSION FACTORS, 1999-2002 AND THE 100 YEAR GLOBAL WARMING POTENTIALS (GWPS), PUBLISHED BY THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC), SECOND ASSESSMENT REPORT (SAR) 1996. THE CARBON DIOXIDE EQUIVALENT FOR A GAS IS DERIVED BY MULTIPLYING THE TONS OF THE GAS EMITTED BY THE ASSOCIATED GWP. GWPS FROM THE 1996 SAR ARE USED IN ACCORDANCE WITH UNFCCC GUIDELINES (SOURCE: 2006 U.S. INVENTORY OF GREENHOUSE GAS EMISSIONS AND SINKS: FAST FACTS (PDF, 2 PP., 220 KB)
PPWR			CO2E-N2O	CO2 EQUIVALENT FOR NITROUS OXIDE	8.7684	LBS/MWH	No	EMISSION FACTOR IS DERIVED FROM THE DOE FORM EIA-1605(2007) APPENDIX F. ELECTRICITY EMISSION FACTORS, TABLE F.1 DOMESTIC ELECTRICITY EMISSION FACTORS, 1999-2002 AND THE 100 YEAR GLOBAL WARMING POTENTIALS (GWPS), PUBLISHED BY THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC), SECOND ASSESSMENT REPORT (SAR) 1996. THE CARBON DIOXIDE EQUIVALENT FOR A GAS IS DERIVED BY MULTIPLYING THE TONS OF THE GAS EMITTED BY THE ASSOCIATED GWP. GWPS FROM THE 1996 SAR ARE USED IN ACCORDANCE WITH UNFCCC GUIDELINES (SOURCE: 2006 U.S. INVENTORY OF GREENHOUSE GAS EMISSIONS AND SINKS: FAST FACTS (PDF, 2 PP., 220 KB)

Appendix A
Potential Emission Calculations for Diesel Generators (< 600 hp)

Operational Information

Location of Unit	Generator Rating (kW)	Generator Rating (hp)	Heat Input (MMBtu/hr)	Run Time (hr/yr)	Annual Power Output (kW-hr/yr)	Annual Power Output (hp-hr/yr)	Annual Heat Input (MMBtu/yr)
Backup Generators/Emergency Equipment							
150 - GENERATOR - DIESEL - 350 KW	350.00	469.35	3.29	500	175,000	234,675	1642.73
126 - GENERATOR - DIESEL - 200 KW	200.00	268.20	1.88	500	100,000	134,100	938.70
502 - GENERATOR - DIESEL - 30 KW	30.00	40.23	0.28	500	15,000	20,115	140.81
600 - GENERATOR - DIESEL - 15 KW	15.00	20.12	0.14	500	7,500	10,058	70.40
151 - GENERATOR - DIESEL - 280 KW - 1	280.00	375.48	2.63	500	140,000	187,740	1314.18
151 - GENERATOR - DIESEL - 280 KW - 2	280.00	375.48	2.63	500	140,000	187,740	1314.18
151 - GENERATOR - DIESEL - 280 KW - 3	280.00	375.48	2.63	500	140,000	187,740	1314.18
600 - GENERATOR - DIESEL - 30 KW	30.00	40.23	0.28	500	15,000	20,115	140.81
600 - GENERATOR - DIESEL - 5 KW - 1	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 5 KW - 2	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 5 KW - 3	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 2.5 KW - 1	2.50	3.35	0.02	500	1,250	1,675	11.73
600 - GENERATOR - DIESEL - 2.5 KW - 2	2.50	3.35	0.02	500	1,250	1,675	11.73
600 - GENERATOR - DIESEL - 5 KW - 4	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 5 KW - 5	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 5 KW - 6	5.00	6.71	0.05	500	2,500	3,355	23.49
600 - GENERATOR - DIESEL - 5 KW - 7	5.00	6.71	0.05	500	2,500	3,355	23.49
AIR CONTROL - GENERATOR - DIESEL - 60 KW - 1	60.00	80.46	0.56	500	30,000	40,230	281.61
AIR CONTROL - GENERATOR - DIESEL - 60 KW - 2	60.00	80.46	0.56	500	30,000	40,230	281.61
Subtotal - Backup	**1,625**	**2,179.2**	**15.25**	**9,500**	**812,500**	**1,089,578**	**7,627**

Calculation of Heat Input

Heat Input (MMBtu/hr) = Generator Rating (kW) x 1.341 (hp/kW) x 7000 (Btu/hp-hr) / 1,000,000 (Btu/MMBtu)

Note: The emission factors in AP-42 take into account the approximately 35% efficiency of internal combustion engines.

Appendix A
Potential Emission Calculations for Diesel Generators (< 600 hp)

Criteria Emission factors

Constituent	Emission Factor (lb/hp-hr)	Emission Factor (lb/gal)(2)
CO	0.00668	0.133
NO_x	0.03100	0.618
PM_{10} (1)	0.00220	0.044
$PM_{2.5}$ (1)	0.00220	0.044
SO_x	0.00205	0.041
VOC	0.00251	0.050

GHG Emission Factors

Constituent	Emission Factor (lb/MMBtu)
CO_2	164.0
CH_4	0.005
N_2O	0.001

Calculation of HAP Emissions - SCC Code 20200102

HAP constituent emission factors obtained from AP-42, Section 3.3, Table 3.3-2 (10/96)

Constituent	Emission Factor (lb/MMBtu)
Acetaldehyde	7.67E-04
Acrolein	9.25E-05
Benzene	9.33E-04
1,3-Butadiene	3.91E-05
Formaldehyde	1.18E-03
Naphthalene	8.48E-05
Polycyclic Organic Matter	8.32E-05
Toluene	4.09E-04
Xylene	2.85E-04
Total emissions	

Appendix A
Potential Emission Calculations for Natural Gas Generators

Operational Data

Heat Content f\or Natural Gas = 1,000 Btu/ft^3

Sulfur Content for Natural Gas = 0.007% (assumed)

Location of Unit	Generator Rating (kW)	Run Time (hr/yr)	Annual Power Output (kW-hr/yr)	Annual Heat Input [1] MMBtu/yr
Backup Generators/ Emergency Equipment				
308 - GENERATOR - NATURAL GAS - 100.67 KW	100.67	24.0	2,416	8
155 - GENERATOR - NATURAL GAS - 35 KW	35.0	24.0	841	3
603 - GENERATOR - NATURAL GAS - 60 KW	60.0	24.0	1,440	5
605 - GENERATOR - NATURAL GAS - 185 KW	185.0	24.0	4,440	14
Subtotal - Backup	**380.7**	**96**	**9,137.24**	**28.71**

Calculation of Heat Input

Heat Input (MMBtu/yr) = Annual Power Output (kw-hr/yr) x 3142.1 (Btu/kW-hr) / 1,000,000 BTU/MMBtu

Criteria Emission Factors

Constituent	Emission Factors (lb/MMBtu)
CO	3.510
NO_x	2.270
PM_{10}	0.019
$PM_{2.5}$ [1]	0.019
SO_x	0.001
VOC	0.030

GHG Emission Factors

Constituent	Emission Factor (lb/MMBtu)
CO_2	1.10E+02
CH_4	2.30E-01
N_2O [1]	--

HAP Emission Factors

Constituent	Emission Factor (lb/MMBtu)
Acetaldehyde	2.79E-03
Acrolein	2.63E-03
Benzene	1.58E-03
Formaldehyde	2.05E-02

Appendix A
Potential Emission Calculations for Natural Gas Fired Boilers

Data Required to Calculate Emissions for Natural Gas Residential Furnaces (0-100 MMBtu/hr)
(SCC Code 2103006000)

Are there any of these sources at the installation (1 = YES, 0 = NO)? **1**

				For Heating Units greater than 1.0 MMBtu/hr		
Location (Building)	**Rated Heat Input (Btu/hr)**	**Number at Location**	**Total Heat Input (MMBtu/hr)**	**Manufacturer**	**Model Number**	**Heating Unit Type (1)**
Boilers < 0.3 MMBtu/hr						
Bldg. 100	75,000	1	0.08	ADP	--	--
Bldg. 103	125,000	4	0.50	--	--	--
Bldg. 104	125,000	1	0.13	--	--	--
Bldg. 104	80,000	4	0.32	Re-Verber-O-Ray	--	--
Bldg. 104	38,000	1	0.04	Rheem	--	--
Bldg. 105	48,000	1	0.05	Rheem	--	--
Bldg. 111	125,000	1	0.13	--	--	--
Bldg. 125	45,000	1	0.05	Rheem	--	--
Bldg. 150	90,000	16	1.44	--	--	--
Bldg. 150	125,000	10	1.25	--	--	--
Bldg. 150	60,000	2	0.12	Rheem	--	--
Bldg. 155	60,000	6	0.36	--	--	--
Bldg. 155	200,000	2	0.40	--	--	--
Bldg. 160	135,000	1	0.14	Lochinvar	--	--
Bldg. 160	15,000	9	0.14	--	--	--
Bldg. 200	40,000	1	0.04	Rheem	--	--
Bldg. 200	100,000	1	0.10	Tristar	--	--
Bldg. 200	36,000	4	0.14	Rheem	--	--
Bldg. 203	40,000	1	0.04	Rheem	--	--
Bldg. 308	180,000	2	0.36	Rheem	--	--
Bldg. 502	40,000	1	0.04	Rheem	--	--
Bldg. 600	100,000	1	0.10	Rheem	--	--
Bldg. 603	75,000	1	0.08	Rheem	--	--
Bldg. 705	60,000	3	0.18	Reznor	--	--
Bldg. 705	77,000	5	0.39	Sterling	--	--
Bldg. 705	104,000	2	0.21	Reznor	--	--
Bldg. 705	30,000	1	0.03	--	--	--
Location (Building)	**Rated Heat Input (Btu/hr)**	**Number at Location**	**Total Heat Input (MMBtu/hr)**	**Manufacturer**	**Model Number**	**Heating Unit Type (1)**
Natural Gas Boilers 0.3-100 MMBtu/hr						
Bldg. 105	594,000	1	0.59	American Standard	GW-10	--
Bldg. 135	500,000	1	0.50	RBI	FHN500-5B	--
Bldg. 150	330,000	2	0.66	Burham	806B-WI	--
Bldg. 155	360,000	1	0.36	Lochinvar	RVN380	--
Bldg. 160	1,118,400	2	2.24	Lochinvar	CBN1120	--
Bldg. 160	750,000	2	1.50	Lochinvar	CFN0750	--
Bldg. 203	500,000	1	0.50	Fulton	PHW-500	--
Bldg. 204	1,000,000	1	1.00	RBI	FHN1000S-00	--
Bldg. 204	300,000	2	0.60	HESco	HN250-PE-400-PG	--
Bldg. 308	528,000	1	0.53	Burham	809B-W	--
Bldg. 502	800,000	2	1.60	Trane	XR-80	--
Bldg. 600	650,000	1	0.65	Bryan	F650-W-GI	--
Bldg. 603	1,200,000	1	1.20	Well McLain	LGB-11	--
Bldg. 605	450,000	1	0.45	Fulton	PHW-500	--
Bldg. 705	390,000	1	0.39	Well McLain	PEG-7	--
Bldg. 710	637,500	1	0.64	Fulton	PHW-750	--
Bldg. 803	400,000	1	0.40	Peerless	D-1161-W/X-I	--
Total, All Boilers			**20.6**			
Total, Natural Gas-Fired Boilers < 0.3 MMBtu/hr			**6.818**			
Total, Natural Gas-Fired Boilers 0.3-100 MMBtuU/hr			**13.806**			

Appendix A
Potential Emission Calculations for Natural Gas Fired Boilers

(1) Boiler type is either **watertube, firetube, or cast iron**.

If the heating unit is Firetube, please specify if it is Firebox or Scotch Marine.

Fuel usage at installation.

Natural gas used during 2013 = **9,727,500** ft^3

Heat content of fuel = 1,000 BTU/ft^3

Calculation of Fuel Usage for Furnaces and Water Heaters < 0.3 MMBtu/hr

Annual Fuel Usage

Annual fuel usage based on heating unit size is used to calculate fuel usage by this size class (< 0.3 MMBtu/hr)

Annual fuel usage = Total heat input of this class (MMBTU/hr) ÷ Total heat input for all heating units (MMBtu/hr) x Total fuel used (cf/yr)

Annual fuel usage = 3,215,726 ft^3/yr

Hourly PTE Fuel Usage

Hourly potential to emit fuel usage is based on all furnaces and water heaters running at the same time

Total heat input, this class = 6.82 MMBtu/hr

Fuel usage = 6,818 ft^3/hr

Fuel usage = Total heat input, this class (MMBtu/hr) ÷ fuel heat content (Btu/ft^3) x 10^6 BTU/MMBtu

Calculation of Fuel Usage for Furnaces and Water Heaters 0.3-100 MMBtu/hr

Annual Fuel Usage

Annual fuel usage based on heating unit size is used to calculate fuel usage by this size class (0.3-100 MMBtu/hr)

Annual fuel usage = Total heat input of this class (MMBtu/hr) ÷ Total heat input for all heating units (MMBtu/hr) x Total fuel used (cf/yr)

Annual fuel usage = 6,511,774 ft^3/yr

Hourly PTE Fuel Usage

Hourly potential to emit fuel usage is based on all furnaces and water heaters running at the same time

Total heat input, this class = 13.8 MMBtu/hr

Fuel usage = 13,806 ft^3/hr

Fuel usage = Total heat input, this class (MMBtu/hr) ÷ fuel heat content (Btu/ft^3) x 10^6 Btu/MMBtu

Emission factors, from AP-42, Section 1.4 Tables 1.4-1 and 1.4-2, Residential Furnaces

Constituent	Emission Factors for Heating Units < 0.3 MMBtu/hr
CO	40 lb/1,000,000 ft^3
NO_x (2)	94 lb/1,000,000 ft^3
PM_{10} (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
$PM_{2.5}$ (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
SO_x	0.6 lb/1,000,000 ft^3
VOC	5.5 lb/1,000,000 ft^3

(1) Combination of both filterable and condensable particulate matter. All particulate matter is assumed to be less than 1 micron in diameter (ie. the emission factor applies to Total PM, PM10, and PM2.5), see AP-42, Table 1.4-2.

(2) If the combustion source is controlled, the uncontrolled emission factors would be mutiplied by the efficiency of the control device, or (1-CE).

Appendix A
Potential Emission Calculations for Natural Gas Fired Boilers

Emission factors, from AP-42, Section 1.4 Tables 1.4-1 and 1.4-2, Small Commercial Heating Units

Constituent	Emission Factors for Heating Units 0.3-100 MMBtu/hr
CO	84 lb/1,000,000 ft^3
NO_x (2)	100 lb/1,000,000 ft^3
PM_{10} (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
$PM_{2.5}$ (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
SO_x	0.6 lb/1,000,000 ft^3
VOC	5.5 lb/1,000,000 ft^3

(1) Combination of both filterable and condensable particulate matter. All particulate matter is assumed to be less than 1 micron in diameter (ie. the emission factor applies to Total PM, PM10, and PM2.5), see AP-42, Table 1.4-2.

(2) If the combustion source is controlled, the uncontrolled emission factors would be multiplied by the efficiency of the control device, or (1-CE).

Calculation of Criteria Pollutant Emission Rates.

Total All Natural Gas Only Fired Boilers (i.e. <0.3 - 100 MMBTU/hr) - SCC Code 2103006000

Constituent	Annual Actual (lb/yr)	Hourly Potential to Emit (<0.3 MMBTU) (lb/hr) (1)	Hourly Potential to Emit (>0.3 MMBTU) (lb/hr) (1)	Annual Potential to Emit (<0.3 MMBTU) (ton/yr) (2)	Annual Potential to Emit (>0.3 MMBTU) (ton/yr) (2)
CO	675.6	0.27	1.16	1.19	5.08
NO_x	953.5	0.64	1.38	2.81	6.05
PM_{10}	73.9	0.05	0.10	0.23	0.46
$PM_{2.5}$	73.9	0.05	0.10	0.23	0.46
SO_x	5.8	0.00	0.01	0.02	0.04
VOC	53.5	0.04	0.08	0.16	0.33

(1) Hourly potential to emit fuel usage is based on all heating units running at the same time.
(2) Annual potential to emit is based on 8,760 hr/yr.

Calculation of Annual Emissions

Actual Emissions (lb/yr)= ([Emission Factor (lb/mmcf) x Fuel Usage (cf/yr)] $_{<0.3\ MMBTU/hr}$ + [Emission Factor(lb/mmcf) x Fuel Usage (cf/yr)] $_{0.3\text{-}100MMBTU/hr}$) / 10^6 cf/mmcf

Calculation of Hourly PTE

Emissions (lb/hr) = [([Emission Factor (lb/mmcf) x Fuel Usage (cf/hr)]$_{<0.3\ MMBTU/hr}$ + [Emission Factor (lb/mmcf) x Fuel Usage (cf/hr)] $_{0.3\text{-}100\ MMBTU/hr}$) / 10^6 cf/mmcf]

Calculation of Annual PTE

Potential Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 hr/yr

Emission rate calculations for organic HAPs - SCC Code 2103006000

HAP constituents obtained from AP-42, Section 1.4, Table 1.4-3 (3/98).

Constituent	Emission Factor ($lb/10^6ft^3$)	Annual Actual (lb/yr)	Hourly Potential to Emit (<0.3 MMBTU) (lb/hr) (1)	Hourly Potential to Emit (>0.3 MMBTU) (lb/hr) (1)	Annual Potential to Emit (<0.3 MMBTU) (lb/yr) (2)	Annual Potential to Emit (>0.3 MMBTU) (lb/yr) (2)
Benzene	0.0021	0.02	0.000	0.000	0.000	0.000
Formaldehyde	0.075	0.73	0.001	0.001	0.002	0.005
N-Hexane	1.80	17.51	0.012	0.025	0.054	0.109
Naphthalene	6.10E-04	0.01	0.000	0.000	0.000	0.000
Polycyclic Organic Matter	8.80E-05	0.00	0.000	0.000	0.000	0.000
Toluene	0.003	0.03	0.000	0.000	0.000	0.000
Arsenic	2.00E-04	0.002	0.000	0.000	0.000	0.000
Beryllium	1.20E-05	1.17E-04	0.000	0.000	0.000	0.000
Cadmium	0.001	0.011	0.000	0.000	0.000	0.000
Chromium	0.001	0.014	0.000	0.000	0.000	0.000
Cobalt	8.40E-05	0.001	0.000	0.000	0.000	0.000
Lead	5.00E-04	0.005	0.000	0.000	0.000	0.000
Manganese	3.80E-04	0.004	0.000	0.000	0.000	0.000
Mercury	2.60E-04	0.003	0.000	0.000	0.000	0.000
Nickel	0.002	0.020	0.000	0.000	0.000	0.000
Selenium	2.40E-05	0.000	0.000	0.000	0.000	0.000
Total		**0.06**	**1.29E-02**	**2.61E-02**	**5.64E-02**	**1.14E-01**

Appendix A
Potential Emission Calculations for Natural Gas Fired Boilers

Emission rate calculations for greenhouse gases - SCC Code 2103006000

GHG emission factors obtained from AP-42, Section 1.4, Table 1.4-2 (7/98)

Constituent	Emission Factor ($lb/10^6 ft^3$)	Annual Actual (lb/yr)	Hourly Potential to Emit (<0.3 MMBTU) (lb/hr) (1)	Hourly Potential to Emit (>0.3 MMBTU) (lb/hr) (1)	Annual Potential to Emit (<0.3 MMBTU) (lb/yr) (2)	Annual Potential to Emit (>0.3 MMBTU) (lb/yr) (2)
CO_2	120,000	1,167,300	818.160	1656.756	3583.541	7256.591
CH_4	2.3	22.37	0.016	0.032	0.069	0.139
N_2O	2.2	21.40	0.015	0.030	0.066	0.133

Calculation of Annual Emissions

Actual Emissions (lb/yr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/yr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/yr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

Calculation of Hourly PTE

Emissions (lb/hr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/hr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/hr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

Calculation of Annual PTE

Potential GHG Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 (hr/yr)

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Appendix B

Detailed Emissions and APIMS Calculation Methodologies for Mobile Sources

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Appendix B
Actual Criteria Pollutant Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	0.08000	0.02000	-	0.00150	0.00150	0.00100	0.00011
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	0.03922	0.18201	0.01204	0.01292	0.01292	0.01474	0.00034
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	0.01307	0.06067	0.00401	0.00431	0.00431	0.00491	0.00011
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	0.01961	0.09101	0.00602	0.00646	0.00646	0.00737	0.00017
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	0.00654	0.03034	0.00201	0.00215	0.00215	0.00246	0.00006
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	0.01634	0.07584	0.00502	0.00538	0.00538	0.00614	0.00014
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	0.14381	0.66739	0.04413	0.04736	0.04736	0.05404	0.00127
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	0.00222	0.01031	0.00068	0.00073	0.00073	0.00084	0.00002
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	0.00196	0.00910	0.00060	0.00065	0.00065	0.00074	0.00002
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	0.02942	0.13651	0.00903	0.00969	0.00969	0.01105	0.00026
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	0.00327	0.01517	0.00100	0.00108	0.00108	0.00123	0.00003
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	0.61146	0.01589	0.00082	0.00100	0.00100	0.02855	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	0.02854	0.00074	0.00004	0.00005	0.00005	0.00133	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	0.01046	0.04854	0.00321	0.00345	0.00345	0.00393	0.00009
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	0.42217	0.13506	0.00460	0.14057	0.14057	0.01358	0.00324
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	0.00343	0.00136	0.00006	-	-	0.00053	0.00002
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	0.98877	2.71081	0.05410	0.31590	0.31590	0.00900	0.00556
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	1.22337	1.65152	0.05849	-	-	0.10659	0.03525
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	0.39683	0.98806	0.04604	0.40998	0.40998	0.16727	0.04992
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	0.68631	0.04961	0.00595	0.00091	0.00091	0.04134	0.01455
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	0.37485	0.02756	0.00529	0.00072	0.00072	0.02205	0.01081
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	0.65599	0.04311	0.00184	0.00024	0.00024	0.05810	0.00429
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	0.01902	0.01522	0.00199	0.00138	0.00138	0.00761	0.00061
VEHE	637424	GOV - DIESEL SCHOOL BUSES	0.06003	0.04068	0.00254	0.00062	0.00062	0.00992	0.00061
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	0.34883	0.20066	0.01581	0.00383	0.00383	0.06174	0.00380
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	0.00176	0.00004	0.00000	0.00000	0.00000	0.00008	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	0.01757	0.00044	0.00002	0.00003	0.00003	0.00082	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	0.00878	0.00022	0.00001	0.00001	0.00001	0.00041	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	0.00316	0.00008	0.00000	0.00001	0.00001	0.00015	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	0.00176	0.00004	0.00000	0.00000	0.00000	0.00008	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	0.00088	0.00002	0.00000	0.00000	0.00000	0.00004	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	0.03513	0.00088	0.00005	0.00006	0.00006	0.00164	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	0.85604	0.02145	0.00115	0.00141	0.00141	0.03997	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	0.28535	0.00715	0.00038	0.00047	0.00047	0.01333	-

Appendix B
Actual Criteria Pollutant Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			CO	NOx	SOx	PM10	PM2.5	VOC	HAPs
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	1.97552	0.04950	0.00266	0.00325	0.00325	0.09225	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	0.54876	0.01375	0.00074	0.00090	0.00090	0.02563	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	0.06585	0.00165	0.00009	0.00011	0.00011	0.00308	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	1.04264	0.02613	0.00140	0.00171	0.00171	0.04869	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	0.43901	0.01100	0.00059	0.00072	0.00072	0.02050	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	0.27438	0.00688	0.00037	0.00045	0.00045	0.01281	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	1.09751	0.02750	0.00148	0.00180	0.00180	0.05125	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	1.09751	0.02750	0.00148	0.00180	0.00180	0.05125	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	0.16462	0.00413	0.00022	0.00027	0.00027	0.00769	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	1.64627	0.04125	0.00222	0.00270	0.00270	0.07688	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-	-	-
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	0.04390	0.00110	0.00006	0.00007	0.00007	0.00205	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	0.00549	0.00014	0.00001	0.00001	0.00001	0.00026	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	0.00659	0.00017	0.00001	0.00001	0.00001	0.00031	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	0.00878	0.00022	0.00001	0.00001	0.00001	0.00041	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	0.02338	0.10850	0.00718	0.00770	0.00770	0.00879	0.00021
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	0.01508	0.06998	0.00463	0.00497	0.00497	0.00567	0.00013
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	0.01525	0.07076	0.00468	0.00502	0.00502	0.00573	0.00013
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	0.00621	0.02883	0.00191	0.00205	0.00205	0.00233	0.00006
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	0.00359	0.01666	0.00110	0.00118	0.00118	0.00135	0.00003
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	0.00084	0.00388	0.00026	0.00028	0.00028	0.00031	0.00001
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	0.00802	0.03720	0.00246	0.00264	0.00264	0.00301	0.00007
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	0.00802	0.03720	0.00246	0.00264	0.00264	0.00301	0.00007
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	0.01225	0.05682	0.00376	0.00403	0.00403	0.00460	0.00011
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	0.07098	0.32938	0.02178	0.02338	0.02338	0.02667	0.00062
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	1.04086	0.06667	0.00098	0.00285	0.00285	0.08750	-

Appendix B
Actual GHG Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)			
			CO2	CH4	N2O	CO2e
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	10.75	-	0.00	10.20
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	6.74	-	0.00	6.38
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	2.25	-	0.00	2.13
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	3.37	-	0.00	3.19
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	1.12	-	0.00	1.06
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	2.81	-	0.00	2.66
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	24.71	-	0.00	23.41
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	0.38	-	0.00	0.36
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	0.34	-	0.00	0.32
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	5.06	-	0.00	4.79
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	0.56	-	0.00	0.53
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	1.50	-	0.00	1.37
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	0.07	-	0.00	0.06
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	1.80	-	0.00	1.70
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	#REF!	#REF!	#REF!	#REF!
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	#REF!	#REF!	#REF!	#REF!
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	#REF!	#REF!	#REF!	#REF!
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	#REF!	#REF!	#REF!	#REF!
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	1.00	2.00	563.25
AOPS	667932	TGO'S - AE2100D2 - JP-8	#REF!	#REF!	#REF!	#REF!
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	50.94	0.01	0.00	47.39
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	44.16	0.01	0.00	41.03
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	15.01	0.00	0.00	13.95
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	6.76	0.00	0.00	6.14
VEHE	637424	GOV - DIESEL SCHOOL BUSES	8.07	0.00	0.00	7.33
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	50.23	0.00	0.00	45.60
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	0.00	-	-	0.00
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	0.04	-	0.00	0.04
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	0.02	-	-	0.02
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	0.01	-	-	0.01
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	0.00	-	-	0.00

Appendix B
Actual GHG Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)			
			CO2	CH4	N2O	CO2e
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	0.00	-	-	0.00
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	0.09	-	0.00	0.08
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	2.11	-	0.00	1.92
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	0.70	-	0.00	0.64
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	4.86	-	0.00	4.43
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	1.35	-	0.00	1.23
VEHE	637523	OFF-ROAD GASOLINE - GATOR	0.16	-	0.00	0.15
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	2.57	-	0.00	2.34
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	1.08	-	0.00	0.98
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	0.68	-	0.00	0.61
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	2.70	-	0.00	2.46
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	2.70	-	0.00	2.46
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	0.40	-	0.00	0.37
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	4.05	-	0.00	3.69
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	0.11	-	0.00	0.10
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	0.01	-	-	0.01
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	0.02	-	-	0.01
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	0.02	-	-	0.02
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	4.03	-	0.00	3.81
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	2.60	-	0.00	2.46
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	2.62	-	0.00	2.49
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	1.07	-	0.00	1.01
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	0.62	-	0.00	0.59
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	0.14	-	0.00	0.14
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	1.38	-	0.00	1.31

Appendix B
Actual GHG Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)			
			CO2	CH4	N2O	CO2e
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	1.38	-	0.00	1.31
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	2.11	-	0.00	2.00
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	12.22	-	0.00	11.57
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	51.13	-	-	46.37

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)								
			1,3-BUTADIENE	ACENAPHTHYLENE	ACETALDEHYDE	ACROLEIN	ANTIMONY	ARSENIC	BARIUM	BENZENE	CADMIUM
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	0.000001	-	0.000001	-	0.000002	0.000001	-	0.000008	-
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	0.000002	-	0.000032	0.000004	-	-	-	0.000038	-
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	0.000001	-	0.000011	0.000001	-	-	-	0.000013	-
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	0.000001	-	0.000016	0.000002	-	-	-	0.000019	-
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	-	-	0.000005	0.000001	-	-	-	0.000006	-
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	0.000001	-	0.000013	0.000002	-	-	-	0.000016	-
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	0.000006	0.000001	0.000116	0.000014	-	0.000002	-	0.000141	0.000002
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	-	-	0.000002	-	-	-	-	0.000002	-
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	-	-	0.000002	-	-	-	-	0.000002	-
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	0.000001	-	0.000024	0.000003	-	-	-	0.000029	-
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	-	-	0.000003	-	-	-	-	0.000003	-
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-	-	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-	-	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	-	-	0.000008	0.000001	-	-	-	0.00001	-
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	0.000814	0.000396	-	-	-	0.000216	-
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	0.000004	0.000002	-	-	-	0.000002	-
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	0.000539	0.000265	-	-	-	0.000529	-
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	0.006304	0.003067	-	-	-	0.002624	-
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	-	-	0.008922	0.004348	-	-	-	0.003718	-
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	0.000248	-	0.000165	-	-	-	-	0.002067	-
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	0.000221	-	0.000165	-	-	-	-	0.001709	-
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	0.000112	-	0.000094	-	-	-	-	0.000937	-
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	0.000063	-	0.000089	-	-	-	-	0.000152	-
VEHE	637424	GOV - DIESEL SCHOOL BUSES	0.00003	-	0.000139	-	-	-	-	0.00005	-
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	0.000185	-	0.000864	-	-	-	-	0.000309	-
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	-	-	-	-	-	-	-	-	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	-	-	-	-	-	-	-	-	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	-	-	-	-	-	-	-	-	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	-	-	-	-	-	-	-	-	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	-	-	-	-	-	-	-	-	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	-	-	-	-	-	-	-	-	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	-	-	-	-	-	-	-	-	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	-	-	-	-	-	-	-	-	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	-	-	-	-	-	-	-	-	-
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	-	-	-	-	-	-	-	-	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	-	-	-	-	-	-	-	-	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	-	-	-	-	-	-	-	-	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	-	-	-	-	-	-	-	-	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	-	-	-	-	-	-	-	-	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	-	-	-	-	-	-	-	-	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	-	-	-	-	-	-	-	-	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	-	-	-	-	-	-	-	-	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	-	-	-	-	-	-	-	-	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	-	-	-	-	-	-	-	-	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			CHROMIUM	COBALT	HYL BENZE	FLUORANTHENE	FLUORENE	FORMALDEHYDE	DROCHLORIC A	LEAD
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	0.000001	0.000001	-	-	-	0.00001	-	0.000001
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	-	-	0.000003	-	0.000001	0.000048	0.000056	0.000002
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	-	-	0.000001	-	-	0.000016	0.000019	0.000001
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	-	-	0.000002	-	0.000001	0.000024	0.000028	0.000001
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	-	-	0.000001	-	-	0.000008	0.000009	-
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	-	-	0.000001	-	0.000001	0.00002	0.000023	0.000001
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	0.000001	-	0.000012	0.000001	0.000004	0.000178	0.000205	0.000009
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	-	-	-	-	-	0.000003	0.000003	-
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	-	-	-	-	-	0.000002	0.000003	-
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	-	-	0.000002	-	0.000001	0.000036	0.000042	0.000002
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	-	-	-	-	-	0.000004	0.000005	-
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	-	-	0.000001	-	-	0.000013	0.000015	0.000001
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	0.000017	-	-	0.001457	-	-
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	-	0.000014	-	-
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	0.000114	-	-	0.002689	-	-
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	0.000222	-	-	0.020373	-	-
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	-	-	0.000319	-	-	0.028846	-	-
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	-	-	-	-	-	0.000413	-	-
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	-	-	-	-	-	0.000386	-	-
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	-	-	-	-	-	0.000244	-	-
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	-	-	-	-	-	0.000292	-	-
VEHE	637424	GOV - DIESEL SCHOOL BUSES	-	-	-	-	-	0.000372	-	-
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	-	-	-	-	-	0.002315	-	-
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	-	-	-	-	-	-	-	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	-	-	-	-	-	-	-	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	-	-	-	-	-	-	-	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	-	-	-	-	-	-	-	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	-	-	-	-	-	-	-	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	-	-	-	-	-	-	-	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	-	-	-	-	-	-	-	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	-	-	-	-	-	-	-	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	-	-	-	-	-	-	-	-
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	-	-	-	-	-	-	-	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	-	-	-	-	-	-	-	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	-	-	-	-	-	-	-	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	-	-	-	-	-	-	-	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	-	-	-	-	-	-	-	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	-	-	-	-	-	-	-	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	-	-	-	-	-	-	-	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	-	-	-	-	-	-	-	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	-	-	-	-	-	-	-	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	-	-	-	-	-	-	-	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			MANGANESE	METHANE	THYL ETHYL KET	THYL TERT-BUTYL ETH	NAPHTHALENE	N-HEXANE	NICKEL
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	0.000054	-	-	-	0.000002	-	-
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	0.000001	-	-	-	0.000003	0.000008	0.000001
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	-	-	-	-	0.000001	0.000003	-
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	-	-	-	-	0.000002	0.000004	0.000001
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	-	-	-	-	0.000001	0.000001	-
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	-	-	-	-	0.000001	0.000003	-
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	0.000003	-	-	-	0.000013	0.00003	0.000004
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	-	-	-	-	-	-	-
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	-	-	-	-	-	-	-
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	0.000001	-	-	-	0.000003	0.000006	0.000001
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	-	-	-	-	-	0.000001	-
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	-	-	-	-	0.000001	0.000002	-
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	0.000079	-	0.000044	-	-
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	0.000001	-	-
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	-	-	0.000063	-	-
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	0.000772	-	-
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	-	-	-	-	0.00109	-	-
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	-	0.010997	-	0.000662	-	-	-
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	-	0.007883	-	0.000441	-	-	-
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	-	0.00268	-	0.000225	-	-	-
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	-	0.000013	-	-	-	-	-
VEHE	637424	GOV - DIESEL SCHOOL BUSES	-	0.00002	-	-	-	-	-
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	-	0.000123	-	-	-	-	-
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	-	-	-	-	-	-	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	-	-	-	-	-	-	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	-	-	-	-	-	-	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	-	-	-	-	-	-	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	-	-	-	-	-	-	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	-	-	-	-	-	-	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	-	-	-	-	-	-	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	-	-	-	-	-	-	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	-	-	-	-	-	-	-
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	-	-	-	-	-	-	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	-	-	-	-	-	-	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	-	-	-	-	-	-	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	-	-	-	-	-	-	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	-	-	-	-	-	-	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	-	-	-	-	-	-	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	-	-	-	-	-	-	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	-	-	-	-	-	-	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	-	-	-	-	-	-	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	-	-	-	-	-	-	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			O-XYLENE	PHENANTHRENE	PHOSPHORUS	PAH	PROPYLENE	PYRENE
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	-	-	0.000021	0.000003	-	-
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	-	0.000001	-	0.000007	0.000106	-
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	-	-	-	0.000002	0.000035	-
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	-	0.000001	-	0.000003	0.000053	-
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	-	-	-	0.000001	0.000018	-
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	-	0.000001	-	0.000003	0.000044	-
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	-	0.000004	-	0.000025	0.000389	0.000001
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	-	-	-	-	0.000006	-
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	-	-	-	-	0.000005	-
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	-	0.000001	-	0.000005	0.00008	-
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	-	-	-	0.000001	0.000009	-
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	-	-	-	-	-	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	-	-	-	0.000002	0.000028	-
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	-	-	-	-
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	-	-
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	-	-	-	-	-	-
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	-	-
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	-	-	-	-	-	-
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	-	-	-	-	-	-
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	-	-	-	-	-	-
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	-	-	-	-	-	-
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	-	-	-	-	-	-
VEHE	637424	GOV - DIESEL SCHOOL BUSES	-	-	-	-	-	-
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	-	-	-	-	-	-
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	-	-	-	-	-	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	-	-	-	-	-	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	-	-	-	-	-	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	-	-	-	-	-	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	-	-	-	-	-	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	-	-	-	-	-	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	-	-	-	-	-	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	-	-	-	-	-	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	-	-	-	-	-	-
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	-	-	-	-	-	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	-	-	-	-	-	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	-	-	-	-	-	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	-	-	-	-	-	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	-	-	-	-	-	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	-	-	-	-	-	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	-	-	-	-	-	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	-	-	-	-	-	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	-	-	-	-	-	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	-	-	-	-	-	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			SELENIUM	STYRENE	TOLUENE	XYLENE	TOTALS
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	0.000002	-	0.000002	0.000001	0.000111
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	0.000001	-	0.000017	0.000012	0.000343
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	-	-	0.000006	0.000004	0.000114
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	-	-	0.000008	0.000006	0.000172
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	-	-	0.000003	0.000002	0.000056
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	-	-	0.000007	0.000005	0.000142
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	0.000002	-	0.000062	0.000043	0.001268
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	-	-	0.000001	0.000001	0.000018
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	-	-	0.000001	0.000001	0.000016
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	-	-	0.000013	0.000009	0.000259
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	-	-	0.000001	0.000001	0.000028
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	-	-	-	-	-
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	-	-	-	-	-
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	-	-	0.000004	0.000003	0.000089
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	-	0.000023	0.000158	0.000035	0.003239
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	-	-	-	0.000023
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	-	0.000046	0.000969	0.000346	0.00556
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	-	0.000534	0.000705	0.000652	0.035253
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	-	-
AOPS	667932	TGO'S - AE2100D2 - JP-8	-	0.000763	0.000998	0.000914	0.049918
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	-	-	-	-	0.014552
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	-	-	-	-	0.010805
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	-	-	-	-	0.004292
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	-	-	-	-	-
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	-	-	-	-	0.000609
VEHE	637424	GOV - DIESEL SCHOOL BUSES	-	-	-	-	0.000611
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	-	-	-	-	0.003796
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	-	-	-	-	-
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	-	-	-	-	-
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	-	-	-	-	-
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	-	-	-	-	-
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	-	-	-	-	-
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	-	-	-	-	-
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	-	-	-	-	-
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	-	-	-	-	-
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	-	-	-	-	-
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	-	-	-	-	-
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	-	-	-	-	-
VEHE	637523	OFF-ROAD GASOLINE - GATOR	-	-	-	-	-
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	-	-	-	-	-
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	-	-	-	-	-
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	-	-	-	-	-
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	-	-	-	-	-
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	-	-	-	-	-
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	-	-	-	-	-
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	-	-	-	-	-
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	-	-	-	-	-
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)								
			1,3-BUTADIENE	ACENAPHTHYLENE	ACETALDEHYDE	ACROLEIN	ANTIMONY	ARSENIC	BARIUM	BENZENE	CADMIUM
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	-	-	-	-	-	-	-	-	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	-	-	-	-	-	-	-	-	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	-	-	-	-	-	-	-	-	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	-	-	-	-	-	-	-	-	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	0.000001	-	0.000019	0.000002	-	-	-	0.000023	-
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	0.000001	-	0.000012	0.000001	-	-	-	0.000015	-
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	0.000001	-	0.000012	0.000001	-	-	-	0.000015	-
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	-	-	0.000005	0.000001	-	-	-	0.000006	-
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	0.000003	-	-	-	-	0.000004	-
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	-	-	0.000001	-	-	-	-	0.000001	-
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	-	-	0.000006	0.000001	-	-	-	0.000008	-
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	-	-	0.000006	0.000001	-	-	-	0.000008	-
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	0.000001	-	0.00001	0.000001	-	-	-	0.000012	-
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	0.000003	-	0.000057	0.000007	-	0.000001	-	0.000069	0.000001
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	-	-	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)							
			CHROMIUM	COBALT	HYL BENZE	FLUORANTHENE	FLUORENE	FORMALDEHYDE	DROCHLORIC A	LEAD
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	-	-	-	-	-	-	-	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	-	-	-	-	-	-	-	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	-	-	-	-	-	-	-	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	-	-	-	-	-	-	-	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	-	-	0.000002	-	0.000001	0.000029	0.000033	0.000001
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	0.000001	-	-	0.000019	0.000021	0.000001
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	-	-	0.000001	-	-	0.000019	0.000021	0.000001
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	-	-	0.000001	-	-	0.000008	0.000009	-
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	-	-	-	0.000004	0.000005	-
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	-	-	-	-	-	0.000001	0.000001	-
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	-	-	0.000001	-	-	0.00001	0.000011	0.000001
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	-	-	0.000001	-	-	0.00001	0.000011	0.000001
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	-	-	0.000001	-	-	0.000015	0.000017	0.000001
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	-	-	0.000006	0.000001	0.000002	0.000088	0.0001	0.000004
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	-	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)						
			MANGANESE	METHANE	THYL ETHYL KET	THYL TERT-BUTYL ETH	NAPHTHALENE	N-HEXANE	NICKEL
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	-	-	-	-	-	-	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	-	-	-	-	-	-	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	-	-	-	-	-	-	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	-	-	-	-	-	-	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	0.000001	-	-	-	0.000002	0.000005	0.000001
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	-	-	0.000001	0.000003	-
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	-	-	-	-	0.000001	0.000003	-
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	-	-	-	-	0.000001	0.000001	-
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	-	-	-	0.000001	-
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	-	-	-	-	-	-	-
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	-	-	-	-	0.000001	0.000002	-
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	-	-	-	-	0.000001	0.000002	-
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	-	-	-	-	0.000001	0.000002	-
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	0.000002	-	-	-	0.000006	0.000014	0.000002
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	-	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)					
			O-XYLENE	PHENANTHRENE	PHOSPHORUS	PAH	PROPYLENE	PYRENE
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	-	-	-	-	-	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	-	-	-	-	-	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	-	-	-	-	-	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	-	-	-	-	-	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	-	0.000001	-	0.000004	0.000063	-
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	-	0.000003	0.000041	-
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	-	-	-	0.000003	0.000041	-
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	-	-	-	0.000001	0.000017	-
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	-	0.000001	0.00001	-
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	-	-	-	-	0.000002	-
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	-	-	-	0.000001	0.000022	-
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	-	-	-	0.000001	0.000022	-
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	-	-	-	0.000002	0.000033	-
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	-	0.000002	-	0.000012	0.000192	-
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	-	-	-	-	-	-

Appendix B
Actual HAP Emissions from Mobile Sources

SRC CAT	ID	PROCESS_NAME	ANNUAL EMISSIONS (tpy)				
			SELENIUM	STYRENE	TOLUENE	XYLENE	TOTALS
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	-	-	-	-	-
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	-	-	-	-	-
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	-	-	-	-	-
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	-	-	-	-	-
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	-	-	-	-	-
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	-	-	-	-	-
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	-	-	-	-	-
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	-	-	-	-	-
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	-	-	0.00001	0.000007	0.000205
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	0.000006	0.000005	0.00013
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	-	-	0.000007	0.000005	0.000131
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	-	-	0.000003	0.000002	0.000055
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	-	-	0.000002	0.000001	0.000031
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	-	-	-	-	0.000006
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	-	-	-	-	-
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	-	-	0.000003	0.000002	0.000069
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	-	-	0.000003	0.000002	0.000069
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	-	-	0.000005	0.000004	0.000105
VEHE	637622	OFF-ROAD DIESEL - MULE	-	-	-	-	-
VEHE	637623	OFF-ROAD DIESEL - GATOR	0.000001	-	0.00003	0.000021	0.000621
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	-	-	-	-	-
VEHE	667933	POV OPERATION ON THE INSTALLATION	-	-	-	-	-

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	LDGV - LOW ALTITUDE / CY 2008 / MY 2004
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	LDGT12 / LOW ALTITUDE / CY 2008 / MY 2005
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE	637353	GOV - LIGHT DUTY GASOLINE VEHICLE	10024972	NITROUS OXIDE	0.0420	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0030	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	616.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0080	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0050	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	8.3000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0250	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.1330	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0020	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	0.6000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0110	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0100	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.0720	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.5000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637354	GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	10024972	NITROUS OXIDE	0.0540	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0040	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	801.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0080	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0070	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	6.8000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0310	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.1430	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0030	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	LDGT34 / LOW ALTITUDE / CY 2008 / MY 1998
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	AVELED FOR PAVED AND	0.0000	VMT	VEHE-01	EF*VMT*0.002205	HDGV / LOW ALTITUDE / CY 2008 / MY 2003
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			NOX	OXIDES OF NITROGEN	0.5000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0130	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.0960	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.4000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637419	GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	10024972	NITROUS OXIDE	0.0540	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0060	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	801.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0130	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	35.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0500	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.1430	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0050	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	2.3000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0130	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.0980	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	3.1000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637421	GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	10024972	NITROUS OXIDE	0.1130	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0080	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	1,667.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0220	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	LDDT / LOW ALTITUDE / CY 2008 / MY 2004
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			50000	FORMALDEHYDE	0.0440	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	15.6000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0670	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.2080	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0110	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	3.2000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0660	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0610	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.1540	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	1.4000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637422	GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	10024972	NITROUS OXIDE	0.0020	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0050	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	533.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0230	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	1.5000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.0010	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0070	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	1.2000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.1090	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.1000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.1570	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE	637424	GOV - DIESEL SCHOOL BUSES	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	HDDBS / LOW ALTITUDE / CY 2008 / MY 1995
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	AVELED FOR PAVED AND	########	VMT	VEHE-01	EF*VMT*0.002205	HDDV / LOW ALTITUDE / CY 2008 / MY 2000
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.6000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637424	GOV - DIESEL SCHOOL BUSES	10024972	NITROUS OXIDE	0.0050	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0060	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	1,627.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0750	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	12.1000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0100	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.0040	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			75070	ACETALDEHYDE	0.0280	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	8.2000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.1240	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.1140	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.5120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637429	GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	10024972	NITROUS OXIDE	0.0050	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			106990	1,3-BUTADIENE	0.0060	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			124389	CARBON DIOXIDE	1,627.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			1634044	METHYL TERT-BUTYL ETHER	0.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			50000	FORMALDEHYDE	0.0750	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			630080	CARBON MONOXIDE	11.3000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			71432	BENZENE	0.0100	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			74828	METHANE	0.0040	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	ENGINE RUN TIME	8.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	ENGINE RUN TIME	80.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	ENGINE RUN TIME	40.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			75070	ACETALDEHYDE	0.0280	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			NOX	OXIDES OF NITROGEN	6.5000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.1240	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.1140	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			SOX	OXIDES OF SULFUR	0.5120	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.0000	G/VMT	No	"AIR FORCE GUIDANCE DOCUMENT FOR MOBILE SOURCES DECEMBER 2003 ; ""UPDATE OF METHANE AND NITROUS OXIDE EMISSION FACTORS FOR ON-HIGHWAY VEHICLES"" NOV. 2004"
VEHE	637448	OFF-ROAD GASOLINE - CHAIN SAW 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637513	OFF-ROAD GASOLINE - BLOWERS	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637514	OFF-ROAD GASOLINE - EDGE TRIMMER 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	ENGINE RUN TIME	4.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	ENGINE RUN TIME	8.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	ENGINE RUN TIME	4.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637515	OFF-ROAD GASOLINE - CHAIN SAW 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637516	OFF-ROAD GASOLINE - POLL SAWS 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637517	OFF-ROAD GASOLINE - EDGE TRIMMER 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	ENGINE RUN TIME	160.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	ENGINE RUN TIME	195.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	ENGINE RUN TIME	65.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637518	OFF-ROAD GASOLINE - WEED EATERS	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637519	OFF-ROAD GASOLINE - LAWN MOWER 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637520	OFF-ROAD GASOLINE - LAWN MOWER 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	ENGINE RUN TIME	360.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	ENGINE RUN TIME	100.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637523	OFF-ROAD GASOLINE - GATOR	ENGINE RUN TIME	12.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	ENGINE RUN TIME	190.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637521	OFF-ROAD GASOLINE - DAIHATSU	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637522	OFF-ROAD GASOLINE - MULE 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637523	OFF-ROAD GASOLINE - GATOR	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637524	OFF-ROAD GASOLINE - KWASKI MULE 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	ENGINE RUN TIME	80.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	ENGINE RUN TIME	50.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	ENGINE RUN TIME	200.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637525	OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637526	OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637527	OFF-ROAD GASOLINE - KWASKI MULE 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	ENGINE RUN TIME	200.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	ENGINE RUN TIME	30.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637528	OFF-ROAD GASOLINE - MULE 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637529	OFF-ROAD GASOLINE - HONDA ATV 1	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637530	OFF-ROAD GASOLINE - JOHN DEERE ATV	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	ENGINE RUN TIME	300.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	ENGINE RUN TIME	8.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637531	OFF-ROAD GASOLINE - 550 MULE	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637532	OFF-ROAD GASOLINE - HONDA ATV 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637533	OFF-ROAD GASOLINE - HONDA ATV 3	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	ENGINE RUN TIME	5.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	ENGINE RUN TIME	6.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637534	OFF-ROAD GASOLINE - WEED WHACKER	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637535	OFF-ROAD GASOLINE - CONCRETE SAW	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637536	OFF-ROAD GASOLINE - WOOD CHIPPER	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637537	OFF-ROAD GASOLINE - PUSH MOWER	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	ENGINE RUN TIME	8.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD GASOLINE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637538	OFF-ROAD GASOLINE - PRESSURE WASHER	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637539	OFF-ROAD GASOLINE - POLL SAWS 2	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637540	OFF-ROAD GASOLINE - POLL TRIMMER	10024972	NITROUS OXIDE	0.0139	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			10102440	NITROGEN DIOXIDE	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			124389	CARBON DIOXIDE	1,080.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			630080	CARBON MONOXIDE	439.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			7446095	SULFUR DIOXIDE	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			ALDEHYDE	ALDEHYDES	0.4850	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	11.0000	LB/MHPHR	No	AP42 TABLE 3.3-1

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	ENGINE RUN TIME	140.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PM	PARTICULATE MATTER	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.7210	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	0.5910	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	20.5000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637608	OFF-ROAD DIESEL - TRACTOR	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
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VEHE								
VEHE								
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	ENGINE RUN TIME	105.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637611	OFF-ROAD DIESEL - FORKLIFT (4K)	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
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VEHE								
VEHE								
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	ENGINE RUN TIME	55.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637612	OFF-ROAD DIESEL - FORKLIFT (6K)	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
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VEHE								
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	ENGINE RUN TIME	12.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637613	OFF-ROAD DIESEL - FORKLIFT (15K)	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
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VEHE								
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	ENGINE RUN TIME	25.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637614	OFF-ROAD DIESEL - FORKLIFT (4K)	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE								
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VEHE								
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	ENGINE RUN TIME	1.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637616	OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
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VEHE								
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VEHE								
VEHE								
VEHE								
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637617	OFF-ROAD DIESEL - AIRCRAFT LOADER	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE								
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	ENGINE RUN TIME	15.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637618	OFF-ROAD DIESEL - AIRCRAFT TOWER	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE	637619	OFF-ROAD DIESEL - BOBCAT	ENGINE RUN TIME	60.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637619	OFF-ROAD DIESEL - BOBCAT	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE								
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	ENGINE RUN TIME	47.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637620	OFF-ROAD DIESEL - BOBCAT 2	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE	637622	OFF-ROAD DIESEL - MULE	ENGINE RUN TIME	0.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637622	OFF-ROAD DIESEL - MULE	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
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VEHE	637623	OFF-ROAD DIESEL - GATOR	ENGINE RUN TIME	850.0000	HRS	VEHE-50	(PeakDemand*1.341*OperatingTime)/1000*EF	OFF-ROAD DIESEL
VEHE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637623	OFF-ROAD DIESEL - GATOR	10024972	NITROUS OXIDE	0.1701	LB/MHPHR	No	API COMPENDIUM, 2004, TABLE 4-6
VEHE			100414	ETHYL BENZENE	0.0005	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			10102440	NITROGEN DIOXIDE	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			106990	1,3-BUTADIENE	0.0003	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			107028	ACROLEIN	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108883	TOLUENE	0.0029	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			108907	CHLOROBENZENE	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			110543	N-HEXANE	0.0014	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			115071	PROPYLENE	0.0181	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			120127	ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			124389	CARBON DIOXIDE	1,150.0000	LB/MHPHR	No	AP-42, VERSION 12, 5TH EDITION, JUNE 2005, TABLE 3.3-1
VEHE			129000	PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			1330207	XYLENE	0.0020	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			18540299	CHROMIUM HEXAVALENT ION	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			191242	BENZO[GHI]PERYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			193395	INDENO[1,2,3-CD]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			206440	FLUORANTHENE	0.0001	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			208968	ACENAPHTHYLENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			218019	CHRYSENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50000	FORMALDEHYDE	0.0083	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			50328	BENZO[A]PYRENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			53703	DIBENZ[A,H]ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			56553	BENZ(A)ANTHRACENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			630080	CARBON MONOXIDE	6.6800	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			71432	BENZENE	0.0065	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7439921	LEAD	0.0004	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439965	MANGANESE	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7439976	MERCURY	0.0000	LB/MHPHR	No	FIRE SCC 20200102
VEHE			7440020	NICKEL	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440382	ARSENIC	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440439	CADMIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440473	CHROMIUM	0.0000	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7440508	COPPER	0.0002	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
VEHE								
VEHE								
VEHE								
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VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	ENGINE RUN TIME	0.0000	HRS	VEHE-51	EF*Consumption/1000	OFF- ROAD NATURAL GAS
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
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VEHE								
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	JP-8 (INCLUDES JET A)	########	GAL	AGE-03	EF*Consumption/1000	A/M32A-95 / TURBINE / GARRETT GTCP85-180 / DIESEL, JP-8 / --
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
VEHE			7440666	ZINC	0.0011	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7446095	SULFUR DIOXIDE	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			75070	ACETALDEHYDE	0.0054	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			7647010	HYDROCHLORIC ACID	0.0094	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			7782492	SELENIUM	0.0001	LB/MHPHR	No	VEN DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
VEHE			83329	ACENAPHTHENE	0.0000	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			85018	PHENANTHRENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			86737	FLUORENE	0.0002	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			91203	NAPHTHALENE	0.0006	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			ALDEHYDE	ALDEHYDES	0.4630	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			NOX	OXIDES OF NITROGEN	31.0000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0012	LB/MHPHR	No	AP42 TABLE 3.3-2
VEHE			PM	PARTICULATE MATTER	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	2.2000	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			SOX	OXIDES OF SULFUR	2.0500	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			TOC	TOTAL ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	2.5100	LB/MHPHR	No	AP42 TABLE 3.3-1
VEHE	637624	OFF-ROAD NATURAL GAS - BUSHHOG	10102440	NITROGEN DIOXIDE	139.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			630080	CARBON MONOXIDE	129.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			7446095	SULFUR DIOXIDE	0.3500	LB/MGAL	No	JAG TABLE J-1
VEHE			NOX	OXIDES OF NITROGEN	139.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			PM	PARTICULATE MATTER	5.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	5.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	5.0000	LB/MGAL	No	JAG TABLE J-1
VEHE			SOX	OXIDES OF SULFUR	0.3500	LB/MGAL	No	JAG TABLE J-1
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	83.0000	LB/MGAL	No	JAG TABLE J-1
AGE	637675	AM32A-95 JET STARTER - JP-8 - 6 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0009	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			10544726	NITROGEN TETROXIDE	40.0001	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			106990	1,3-BUTADIENE	0.0022	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-4
AGE			107028	ACROLEIN	0.0003	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			108883	TOLUENE	0.0044	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			124389	CARBON DIOXIDE	21,509.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-2A
AGE			1330207	XYLENE	0.0027	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			15438310	IRON ION (FE+2)	0.0822	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			206440	FLUORANTHENE	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200101
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200101
AGE			50000	FORMALDEHYDE	0.0203	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200101
AGE			630080	CARBON MONOXIDE	160.0003	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			71432	BENZENE	0.0150	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			7429905	ALUMINUM	0.0206	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7439921	LEAD	0.0019	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-2A
AGE			7439954	MAGNESIUM	0.0315	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7439965	MANGANESE	0.1082	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7439976	MERCURY	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7439987	MOLYBDENUM	0.0012	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440020	NICKEL	0.0006	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7440097	POTASSIUM	0.0589	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE								
AGE								
AGE								
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AGE								
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AGE								
AGE								
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	JP-8 (INCLUDES JET A)	########	GAL	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-50	MinutesInIdle/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / IDLE
AOPS								
AOPS								F108-CF-100 / IDLE
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7440213	SILICON	0.1781	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440235	SODIUM	0.1918	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440315	TIN	0.0111	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440360	ANTIMONY	0.0030	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440382	ARSENIC	0.0015	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7440393	BARIUM	0.0027	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440417	BERYLLIUM	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7440428	BORON	0.0089	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440439	CADMIUM	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7440473	CHROMIUM	0.0015	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			7440484	COBALT	0.0012	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440508	COPPER	0.1781	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440622	VANADIUM	0.0006	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440666	ZINC	0.0932	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7440702	CALCIUM	0.1055	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			75070	ACETALDEHYDE	0.0021	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-7
AGE			7723140	PHOSPHORUS	0.0411	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7726956	BROMINE	0.0006	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCCS 20100101, 20200103, 20300102
AGE			7782492	SELENIUM	0.0034	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-5
AGE			91203	NAPHTHALENE	0.0048	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-4
AGE			NOX	OXIDES OF NITROGEN	40.0001	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0055	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-4
AGE			PM	PARTICULATE MATTER	3.0000	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	3.0000	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	3.0000	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AGE			TOC	TOTAL ORGANIC COMPOUNDS	0.5480	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.1-2A
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	2.0000	LB/MGAL	No	IERA MOBILE, JANUARY 2002, TABLE 2-6
AOPS	637756	LTO'S - F108-CF-100 - JP-8 - 4 UNITS	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			107028	ACROLEIN	0.0305	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0626	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100414	ETHYL BENZENE	0.0011	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			100425	STYRENE	0.0017	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			10102440	NITROGEN DIOXIDE	4.4758	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0102	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			1330207	XYLENE	0.0019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			50000	FORMALDEHYDE	0.1083	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			630080	CARBON MONOXIDE	30.8878	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0158	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			78933	METHYL ETHYL KETONE	0.0062	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			91203	NAPHTHALENE	0.0033	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-52	MinutesInIntermediate/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / INTERMEDIATE
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / INTERMEDIATE
AOPS								
AOPS								
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			NOX	OXIDES OF NITROGEN	4.4758	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	10.3149	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	1.0451	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100425	STYRENE	0.0005	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0030	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0061	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0007	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100414	ETHYL BENZENE	0.0021	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			10102440	NITROGEN DIOXIDE	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0159	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0054	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0382	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	16.2753	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0086	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.9479	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100414	ETHYL BENZENE	0.0004	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0009	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0050	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0102	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0012	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	76.4445	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0080	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0035	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0315	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	9.0965	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-53	MinutesInMilitary/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	JP-8 (INCLUDES JET A)	22.4000	GAL	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-50	MinutesInIdle/60*EF*NUMBER OF ENGINES	TFE-731-2/2A / IDLE
AOPS								
AOPS								
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	(NON-IERA) TFE731-2/2A / APPROACH
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			71432	BENZENE	0.0047	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	76.4445	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.6725	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1695	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100414	ETHYL BENZENE	0.0004	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0010	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0057	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0116	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0014	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0072	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0032	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0453	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	4.0685	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0038	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	10.2682	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1937	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS	637757	LTO'S - TFE731-2/2A - JP-8 - 2 UNITS	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			10102440	NITROGEN DIOXIDE	0.7210	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	9.8468	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	0.7210	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	1.7592	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			100414	ETHYL BENZENE	0.0017	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0041	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								TFE731-2/2A / APPROACH
AOPS								
AOPS								
AOPS								
AOPS						AOPS-52	MinutesInIntermediate/60*EF* NUMBER OF ENGINES	(NON-IERA) TFE731-2/2A / CLIMB OUT
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								TFE731-2/2A / CLIMB OUT
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			107028	ACROLEIN	0.0235	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0054	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0050	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.1561	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			71432	BENZENE	0.0201	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0483	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0059	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	3.9399	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	8.8848	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	3.9399	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.8051	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			100414	ETHYL BENZENE	0.0002	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0005	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0030	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0007	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0006	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.0200	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			71432	BENZENE	0.0026	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0062	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0008	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	23.7341	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	2.3911	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	23.7341	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS						AOPS-54	MinutesInAfterburner/60*EF*NUMBER OF ENGINES	TFE731-2/2A / TAKE OFF
AOPS								
AOPS								
AOPS								
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	JP-8 (INCLUDES JET A)	########	GAL	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-52	MinutesInIntermediate/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / INTERMEDIATE
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / INTERMEDIATE
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1033	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			10102440	NITROGEN DIOXIDE	34.2019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	2.0182	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	34.2019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1072	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS	637758	TGO'S - F108-CF-100 - JP-8 - 4 UNITS	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			100425	STYRENE	0.0005	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0030	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0061	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0007	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100414	ETHYL BENZENE	0.0021	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			10102440	NITROGEN DIOXIDE	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0159	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0054	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0382	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	16.2753	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0086	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.9479	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100414	ETHYL BENZENE	0.0004	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0009	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0050	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0102	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0012	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	76.4445	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0080	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-53	MinutesInMilitary/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	JP-8 (INCLUDES JET A)	########	GAL	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	(NON-IERA) TFE731-2/2A / APPROACH
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			1330207	XYLENE	0.0035	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0315	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	9.0965	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0047	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	76.4445	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.6725	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1695	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100414	ETHYL BENZENE	0.0004	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0010	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0057	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0116	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0014	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0072	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0032	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0453	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	4.0685	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0038	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	10.2682	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1937	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS	637759	TGO'S - TFE731-2/2A - JP-8 - 2 UNITS	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			100414	ETHYL BENZENE	0.0017	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0041	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0235	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								TFE731-2/2A / APPROACH
AOPS								
AOPS								
AOPS								
AOPS						AOPS-52	MinutesInIntermediate/60*EF* NUMBER OF ENGINES	(NON-IERA) TFE731-2/2A / CLIMB OUT
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								TFE731-2/2A / CLIMB OUT
AOPS								
AOPS								
AOPS								
AOPS						AOPS-54	MinutesInAfterburner/60*EF*N UMBER OF ENGINES	TFE731-2/2A / TAKE OFF

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			108883	TOLUENE	0.0054	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0050	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.1561	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			71432	BENZENE	0.0201	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0483	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0059	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	3.9399	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	8.8848	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	3.9399	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.8051	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			100414	ETHYL BENZENE	0.0002	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0005	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0030	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0007	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0006	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.0200	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			71432	BENZENE	0.0026	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0062	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0008	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	23.7341	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			630080	CARBON MONOXIDE	2.3911	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	23.7341	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1033	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			10102440	NITROGEN DIOXIDE	34.2019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	-	-	-	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-50	MinutesInIdle/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / IDLE
AOPS								
AOPS								F108-CF-100 / IDLE
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / APPROACH
AOPS								
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			630080	CARBON MONOXIDE	2.0182	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			NOX	OXIDES OF NITROGEN	34.2019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1072	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 42.
AOPS	637760	TRIM & POWER CHECKS - F108-CF-100 - JP-8	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			107028	ACROLEIN	0.0305	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0626	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100414	ETHYL BENZENE	0.0011	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			100425	STYRENE	0.0017	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			10102440	NITROGEN DIOXIDE	4.4758	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0102	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			1330207	XYLENE	0.0019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			50000	FORMALDEHYDE	0.1083	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			630080	CARBON MONOXIDE	30.8878	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0158	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			78933	METHYL ETHYL KETONE	0.0062	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			91203	NAPHTHALENE	0.0033	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 47.
AOPS			NOX	OXIDES OF NITROGEN	4.4758	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	10.3149	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	1.0451	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100425	STYRENE	0.0005	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0030	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0061	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0007	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100414	ETHYL BENZENE	0.0021	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			10102440	NITROGEN DIOXIDE	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0159	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0054	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-53	MinutesInMilitary/60*EF*NUMBER OF ENGINES	(NON-IERA) F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								F108-CF-100 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	JP-8 (INCLUDES JET A)	600.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			50000	FORMALDEHYDE	0.0382	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	16.2753	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0086	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	17.7271	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.9479	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1019	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			100414	ETHYL BENZENE	0.0004	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0010	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			107028	ACROLEIN	0.0057	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0116	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0014	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			108883	TOLUENE	0.0072	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			1330207	XYLENE	0.0032	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			50000	FORMALDEHYDE	0.0453	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			630080	CARBON MONOXIDE	4.0685	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			71432	BENZENE	0.0038	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-5, PG. 48.
AOPS			NOX	OXIDES OF NITROGEN	98.6782	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	10.2682	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.1937	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 35.
AGE	637822	H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE								
AGE								
AGE								
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	JP-8 (INCLUDES JET A)	200.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637823	MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	JP-8 (INCLUDES JET A)	300.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637824	MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	JP-8 (INCLUDES JET A)	100.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637825	FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	JP-8 (INCLUDES JET A)	250.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637826	NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	JP-8 (INCLUDES JET A)	########	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637827	AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
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AGE	637828	TB/44-D WELDER - DIESEL - 62 HP - 1 UNIT	-	-	-	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637828	TB/44-D WELDER - DIESEL - 62 HP - 1 UNIT	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	JP-8 (INCLUDES JET A)	34.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637829	MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	JP-8 (INCLUDES JET A)	30.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637830	MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
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AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	JP-8 (INCLUDES JET A)	450.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637831	SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE								
AGE								
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AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	JP-8 (INCLUDES JET A)	50.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
AGE								
AGE								
AGE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637832	HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	JP-8 (INCLUDES JET A)	150.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / GASOLINE / ALL
AGE								
AGE								
AGE								
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AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	GASOLINE (INCLUDES E85	7.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / GASOLINE / ALL
AGE								
AGE								
AGE								
AGE								
AGE								
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AGE								
AGE								
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AGE								
AGE								
AGE	637835	MOTORIZED AIRSTAIRS - GAS - 16 HP - 1 UNIT	-	-	-	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / GASOLINE / ALL
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637833	MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	10024972	NITROUS OXIDE	0.2583	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			10102440	NITROGEN DIOXIDE	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			124389	CARBON DIOXIDE	20,020.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			630080	CARBON MONOXIDE	8,152.8571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			7446095	SULFUR DIOXIDE	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			ALDEHYDE	ALDEHYDES	9.0071	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM	PARTICULATE MATTER	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637834	HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	10024972	NITROUS OXIDE	0.2583	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			10102440	NITROGEN DIOXIDE	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			124389	CARBON DIOXIDE	20,020.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			630080	CARBON MONOXIDE	8,152.8571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			7446095	SULFUR DIOXIDE	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			ALDEHYDE	ALDEHYDES	9.0071	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM	PARTICULATE MATTER	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637835	MOTORIZED AIRSTAIRS - GAS - 16 HP - 1 UNIT	10024972	NITROUS OXIDE	0.2583	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			10102440	NITROGEN DIOXIDE	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			124389	CARBON DIOXIDE	20,020.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			630080	CARBON MONOXIDE	8,152.8571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			7446095	SULFUR DIOXIDE	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			ALDEHYDE	ALDEHYDES	9.0071	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
AGE								
AGE								
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AGE								
AGE	637836	MZ-90 AIR LIFT - GAS - 65 HP - 1 UNIT	-	-	-	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / GASOLINE / ALL
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
AGE								
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AGE								
AGE								
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	EL FUEL (INCLUDES BIODI	160.0000	GAL	AGE-03	EF*Consumption/1000	OTHER / RECIPROCATING / ANY / DIESEL, JP-8 / ALL
AGE								
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Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			PM	PARTICULATE MATTER	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	637836	MZ-90 AIR LIFT - GAS - 65 HP - 1 UNIT	10024972	NITROUS OXIDE	0.2583	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			10102440	NITROGEN DIOXIDE	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			124389	CARBON DIOXIDE	20,020.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			630080	CARBON MONOXIDE	8,152.8571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			7446095	SULFUR DIOXIDE	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			ALDEHYDE	ALDEHYDES	9.0071	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	211.9000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM	PARTICULATE MATTER	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	13.3900	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	10.9757	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	380.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE	667931	JLG 800S MAN-LIFT - DIESEL - 1 UNIT	10024972	NITROUS OXIDE	3.3300	LB/MGAL	No	API Compendium, 2004, Table 4-6
AGE			100414	ETHYL BENZENE	0.0109	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			10102440	NITROGEN DIOXIDE	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			106990	1,3-BUTADIENE	0.0054	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			107028	ACROLEIN	0.0127	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108883	TOLUENE	0.0560	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			108907	CHLOROBENZENE	0.0002	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			110543	N-HEXANE	0.0269	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			115071	PROPYLENE	0.3535	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			120127	ANTHRACENE	0.0003	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			124389	CARBON DIOXIDE	22,468.0000	LB/MGAL	No	AP-42, VERSION 12, 5TH EDITION, June 2005, TABLE 3.3-1
AGE			129000	PYRENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			1330207	XYLENE	0.0390	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			18540299	CHROMIUM HEXAVALENT ION	0.0001	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			191242	BENZO[GHI]PERYLENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			193395	INDENO[1,2,3-CD]PYRENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			205992	BENZO[B]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			206440	FLUORANTHENE	0.0010	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			207089	BENZO[K]FLUORANTHENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			208968	ACENAPHTHYLENE	0.0007	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			218019	CHRYSENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50000	FORMALDEHYDE	0.1617	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			50328	BENZO[A]PYRENE	0.0000	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AGE								
AGE								
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AOPS	667932	TGO'S - AE2100D2 - JP-8	JP-8 (INCLUDES JET A)	########	GAL	AOPS-05	EF*Consumption*(Wt Pct Sulfur/100)*Density	ANY/ANY/AQUIS
AOPS								
AOPS						AOPS-50	MinutesInIdle/60*EF*NUMBER OF ENGINES	AE2100D2 / IDLE

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AGE			53703	DIBENZ[A,H]ANTHRACENE	0.0001	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			56553	BENZ(A)ANTHRACENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			630080	CARBON MONOXIDE	130.7371	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			71432	BENZENE	0.1278	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7439921	LEAD	0.0083	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439965	MANGANESE	0.0031	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7439976	MERCURY	0.0000	LB/MGAL	No	FIRE, VERSION 6.23, NOVEMBER 17, 2000, SCC 20200102
AGE			7440020	NICKEL	0.0039	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440382	ARSENIC	0.0016	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440439	CADMIUM	0.0015	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440473	CHROMIUM	0.0006	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440508	COPPER	0.0041	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7440666	ZINC	0.0224	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7446095	SULFUR DIOXIDE	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			75070	ACETALDEHYDE	0.1051	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			7647010	HYDROCHLORIC ACID	0.1863	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			7782492	SELENIUM	0.0022	LB/MGAL	No	AB 2588 COMBUSTION EMISSION FACTORS, VENTURA COUNTY AIR POLUTION CONTROL DISTRICT, VENTURA, CA, MAY 17, 2001, DIESEL COMBUSTION FACTORS/INTERNAL COMBUSTION
AGE			83329	ACENAPHTHENE	0.0002	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			85018	PHENANTHRENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			86737	FLUORENE	0.0040	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			91203	NAPHTHALENE	0.0116	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			ALDEHYDE	ALDEHYDES	9.0616	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			NOX	OXIDES OF NITROGEN	606.7143	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PAH	POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	0.0230	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-2
AGE			PM	PARTICULATE MATTER	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM10	PARTICULATE MATTER <10UM (PM10)	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	43.0571	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			SOX	OXIDES OF SULFUR	40.1214	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			TOC	TOTAL ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AGE			VOC	VOLATILE ORGANIC COMPOUNDS	49.1243	LB/MGAL	No	AP-42, VERSION 10, 5TH EDITION, JANUARY 2003, TABLE 3.3-1
AOPS	667932	TGO'S - AE2100D2 - JP-8	7446095	SULFUR DIOXIDE	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			SOX	OXIDES OF SULFUR	2.0000	LB/LB	No	OCTOBER 1998 AQUIS MANUAL, SECTION 3.1.7
AOPS			100414	ETHYL BENZENE	0.0038	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
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AOPS								
AOPS								
AOPS						AOPS-51	MinutesInApproach/60*EF*NUMBER OF ENGINES	AE2100D2 / APPROACH
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-52	MinutesInIntermediate/60*EF*NUMBER OF ENGINES	AE2100D2 / INTERMEDIATE
AOPS								
AOPS								
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			100425	STYRENE	0.0091	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	6.7410	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			107028	ACROLEIN	0.0518	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0119	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0109	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.3437	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			630080	CARBON MONOXIDE	3.4560	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			71432	BENZENE	0.0443	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.1063	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0130	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			NOX	OXIDES OF NITROGEN	6.7410	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.2760	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	1.7730	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			10102440	NITROGEN DIOXIDE	10.3044	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			630080	CARBON MONOXIDE	3.4968	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			NOX	OXIDES OF NITROGEN	10.3044	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	4.7740	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.7192	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			100414	ETHYL BENZENE	0.0020	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0047	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	21.1242	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			107028	ACROLEIN	0.0268	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0062	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS						AOPS-53	MinutesInMilitary/60*EF*NUMBER OF ENGINES	AE2100D2 / MILITARY
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								
AOPS								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			1330207	XYLENE	0.0056	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.1775	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			630080	CARBON MONOXIDE	3.5970	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			71432	BENZENE	0.0229	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0549	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0067	LB/HR	No	CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			NOX	OXIDES OF NITROGEN	21.1242	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	3.1828	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.9156	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			100414	ETHYL BENZENE	0.0015	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			100425	STYRENE	0.0035	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			10102440	NITROGEN DIOXIDE	28.0475	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			107028	ACROLEIN	0.0201	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			108883	TOLUENE	0.0046	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			1330207	XYLENE	0.0042	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			50000	FORMALDEHYDE	0.1333	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			630080	CARBON MONOXIDE	4.3471	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			71432	BENZENE	0.0172	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			75070	ACETALDEHYDE	0.0412	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			91203	NAPHTHALENE	0.0050	LB/HR	No	CALIFORNIA AIR RESOURCES BOARD 2003, CALIFORNIA EMISSION INVENTORY AND REPORTING SYSTEM (CEIDARS), ARB ORGANIC GAS SPECIATION PROFILES, WEIGHT PERCENT OF CHEMICAL SPECIES IN TOTAL ORGANIC GAS (TOG), PROFILE 586
AOPS			NOX	OXIDES OF NITROGEN	28.0475	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
AOPS			PM10	PARTICULATE MATTER <10UM (PM10)	2.9963	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.

Appendix B
Emission Factors and Calculation Methodologies for Mobile Sources

Src Cat	Unique ID	Process Name	Material Used	Qty Used	Qty Used UOM	Algorithm Code	Algorithm Formula	Emission Factor Criteria
AOPS								
VEHE	667933	POV OPERATION ON THE INSTALLATION	BASE POPULATION	########	EACH	VEHE-52	BASE POPULATION*AVG DISTANCE*WORK DAYS*EF*PCT LDGV/100	2013 / MS / LOW / GASOLINE / LIGHT DUTY VEHICLE
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE						VEHE-53	BASE POPULATION*AVG DISTANCE*WORK DAYS*EF*PCT LDGT/100	2013 / MS / LOW / GASOLINE / LIGHT DUTY TRUCK
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE						VEHE-54	BASE POPULATION*AVG DISTANCE*WORK DAYS*EF*PCT MC/100	2013 / MS / LOW / GASOLINE / MOTORCYCLES
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								
VEHE								

Src Cat	Unique ID	Process Name	CAS Number	Chemical Name	Emission Factor	Emission Factor UOM	Speciated Factor	Reference
AOPS			VOC	VOLATILE ORGANIC COMPOUNDS	0.6877	LB/HR	No	2002 AIR EMISSIONS INVENTORY GUIDANCE DOCUMENT FOR MOBILE SOURCES AT AIR FORCE INSTALLATIONS, TABLE 3-3, PG. 39.
VEHE	667933	POV OPERATION ON THE INSTALLATION	124389	CARBON DIOXIDE	0.8115	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			630080	CARBON MONOXIDE	0.0179	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			7664417	AMMONIA	0.0002	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			NOX	OXIDES OF NITROGEN	0.0010	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0001	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			SOX	OXIDES OF SULFUR	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.0013	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			124389	CARBON DIOXIDE	1.1378	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			630080	CARBON MONOXIDE	0.0215	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			7664417	AMMONIA	0.0002	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			NOX	OXIDES OF NITROGEN	0.0015	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0001	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			SOX	OXIDES OF SULFUR	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.0018	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			124389	CARBON DIOXIDE	0.3911	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			630080	CARBON MONOXIDE	0.0317	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			7664417	AMMONIA	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			NOX	OXIDES OF NITROGEN	0.0025	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM10	PARTICULATE MATTER <10UM (PM10)	0.0001	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			PM2.5	PARTICULATE MATTER LESS THAN 2.5 MICRONS	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			SOX	OXIDES OF SULFUR	0.0000	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9
VEHE			VOC	VOLATILE ORGANIC COMPOUNDS	0.0054	LB/VMT	No	AIR EMISSION GUIDE FOR AIR FORCE MOBILE SOURCES - AUG 2013 - TABLE 5-9

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Appendix C

Calculation Methodologies and Detailed Emissions from Indirect Greenhouse Gas Sources

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Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 2 - Indirect Greenhouse Gas Emissions from Purchased Electricity

1.0 Facility Data and Electricity Usage

Facility Name	Facility Zip (5 or 9 digit)	Electricity Use for CY 2012 (MWh)	State	eGrid Subregion
186 ARW	39307	5230.74	MS	SRTV

2.0 eGRID[1] Emission Rates for Base Subregion

CO_2 (kg/MWh)	CH_4 (kg/MWh)	N_2O (kg/MWh)
615.847	0.00784	0.01002

(1) US EPA Emissions and Generation Resource Integrated Database (eGRID)

3.0 Calculated Indirect GHG Emissions from Purchased Electricity

Annual Actual Emissions (lbs/year)			CO2e (Metric Tons/year)
CO2	CH4	N2O	
7,103,048	90.39	115.55	3,239.00

(1) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 GHG Emission Quantification Methodologies

CO2, CH4, or N2O Emissions (kg/yr) = Annual Electricity Use (MWh) x Emission Factor (kg/MWh) * 2.2 (lb/ 1 kg)

CO2e Emissions (MT/yr) = [CO2 Emissions + (CH4 Emissions x 21) + (N2O Emissions x 310)] * (1 MT/ 2,204.62 lbs)

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Transmission and Distribution (T&D) Losses

1.0 Facility Data

Energy Type	Sub-Region	Total Annual Consumption (MWh)
Purchased Electricity	SRTV	5,230.7

2.0 Lost Energy Calculation

National Average T&D Loss Rate[1]	T&D Loss Adjustment Factor[2]	Total Energy Lost through T&D[3] (MWh)
6.18%	0.066	344.6

(1) Reference: Federal Greenhouse Gas Accounting and Reporting Guidance: Technical Support Guidance, October 6, 2010, Table C-5: T&D Losses Default Data Sources
(2) T&D Adjustment Factor= T&D loss % / (1 - T&D loss %)
(3) Electricity lost through T&D = consumed electricity x (T&D loss % / (1 - T&D loss %))

3.0 eGRID[1] Emission Rates for Base Subregion

CO_2 (kg/MWh)	CH_4 (kg/MWh)	N_2O (kg/MWh)
615.85	0.00784	0.01002

(1) eGRID2012 Version 1.0 Year 2009 Summary Tables

4.0 Calculated Indirect GHG Emissions from T&D Losses

Annual Actual Emissions (lbs/year)			CO2e (Metric Tons/year)
CO_2	CH_4	N_2O	
467,884	6.0	7.6	213.36

(1) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

5.0 Emissions Quantification Methodologies

CO2, CH4, or N2O Emissions (lb/yr) = Annual Electricity Use (MWh) x T&D loss factor (%) x Emission Factor (lbs/MWh) * (2.2 lb/ 1 kg)
CO2e Emissions (MT/yr) = [CO2 Emissions + (CH4 Emissions x 21) + (N2O Emissions x 310)] * (1 MT/ 2,204.62 lbs)

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Federal Employee Business Travel - Air

1.0 Business Travel Data

Flight Distance Type (One Way)	Estimated Number of Flights (Trips)	Estimated Mileage	Mileage Air Travel by Segment Type
Short Haul (< 300 mi.)	33	300	10000
Medium Haul (≥ 300 & < 700 mi.)	200	500	100000
Long Haul (≥ 700 mi.)	286	700	200000
Unknown	0	700	0

2.0 Air Travel Emission Factors by Passenger Miles

Flight Distance Type (One Way)	CO_2 (kg/Passenger Mile)	CH_4 (kg/Passenger Mile)	N_2O (kg/Passenger Mile)
Short Haul (< 300 mi.)	0.290	0.000008	0.000009
Medium Haul (≥ 300 & < 700 mi.)	0.165	0.000001	0.000005
Long Haul (≥ 700 mi.)	0.189	0.000001	0.000006
Unknown	0.189	0.000001	0.000006

Source 1: *U.S. DOE, Federal Energy Management Program, See at: http://www1.eere.energy.gov/femp/docs/energydatareportfy09.xls*
Source 2: *U.S. DOE, Federal Energy Management Program, Section 9, Technical Support Document*

3.0 Emissions from Employee Business Air Travel

Flight Distance Type (One Way)	Annual Actual Emissions (lbs/year)			CO2e (Metric Tons/year)
	CO_2	CH_4	N_2O	
Short Haul (< 300 mi.)	6,387.2	0.2	0.2	2.93
Medium Haul (≥ 300 & < 700 mi.)	36,471.2	0.2	1.2	16.71
Long Haul (≥ 700 mi.)	83,463.2	0.4	2.6	38.23
Unknown	0.0	0.0	0.0	0.00
Total	126,321.6	0.7	4.0	57.9

(1) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 GHG Emission Quantification Methodologies

CO2, CH4, or N2O Emissions (lb/yr) = Annual Mileage by Segment Type (Mi/yr) x Emission Factor (kg/passenger mile) * 2.2 (lb/kg)
CO2e Emissions (MT/yr) = CO2 Emissions + (CH4 Emissions x GWP) + (N2O Emissions x GWP)

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Federal Employee Business Travel - Rental Cars

1.0 Business Travel Data

Vehicle Type	Fuel Type	Car Rentals	Estimated Mileage per Rental	Total Mileage by Vehicle Type
Passenger Car	Gasoline	168	50	8400
SUV or Truck	Gasoline	24	50	1200
SUV or Truck	Diesel	0	50	0

2.0 Ground Travel Emission Factors by Passenger Miles

Vehicle Type	CO_2 (kg/Mile)	CH_4 (kg/Mile)	N_2O (kg/Mile)
Passenger Car	0.364	0.000031	0.000032
SUV or Truck (G)	0.519	0.000036	0.000047
SUV or Truck (D)	0.561	0.000001	0.0000015

3.0 Emissions from Employee Business Travel - Rental Cars

Vehicle Type	Annual Actual Emissions (lbs/year)			CO2e (Metric Tons/year)
	CO_2	CH_4	N_2O	
Passenger Car	6,726.7	0.6	0.6	3.14
SUV or Truck (G)	1,370.2	0.1	0.1	0.64
SUV or Truck (D)	0.0	0.0	0.0	0.00
Total	8,096.9	0.7	0.7	3.8

(1) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 GHG Emission Quantification Methodologies

CO2, CH4, or N2O Emissions (kg/yr) = Annual Mileage by Segment Type (Mi/yr) x Emission Factor (kg/passenger mile)
CO2e Emissions (MT/yr) = CO2 Emissions + (CH4 Emissions x GWP) + (N2O Emissions x GWP)

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Federal Employee Commuting

1.0 Employee Commuting Data

Weekday Employees	Weekend Employees[1]	Drill Weekend Employees[2]	Workdays per Year	Estimated Average Roundtrip from Home to Base (miles)
320	20	1025	250	20

(1) Weekend employees assumed to make 104 roundtrips per year (52 weeks * 2 days/week)
(2) Drill weekend employees assumed to make 12 roundtrips per year (1 week per month)

2.0 Estimated Miles Traveled by Vehicle Type

Vehicle Type	National Average Vehicle Mix[1] (%)	Annual Miles by Vehicle Type[2]			
		Weekday Employees	Weekend Employees	Drill Weekend Employees	Total
Gas Car	34.90%	558,400	14,518	85,854	658,772
Gas Truck	56.00%	896,000	23,296	137,760	1,057,056
Diesel Truck	7.34%	117,440	3,053	18,056	138,550
Motorcycle	1.76%	28,160	732	4,330	33,222

(1) Air Emissions Guide for Air Force Mobile Sources (January 2013) *Table 5-2 Typical POV & GOV Mix*
(2) Formula: Annual Miles = Employees * Workdays per Year * % Vehicle Mix

2.0 Ground Travel Emission Factors by Passenger Miles

Vehicle Type	CO_2 (kg/Mile)	CH_4 (kg/Mile)	N_2O (kg/Mile)
Gas Car	0.364	0.000031	0.000032
Gas Truck	0.519	0.000036	0.000047
Diesel Truck	0.561	0.000001	0.0000015
Motorcycle	0.167	0.00007	0.000007

Source: *U.S. EPA Climate Leaders Program, Technical Guidance, Optional Emissions from Commuting, Business Travel, and Product Transport, see: http://www.epa.gov/stateply/documents/resources/commute_travel_product.pdf*

3.0 Emissions from Employee Commuting

Vehicle Type	Annual Actual Emissions (lbs/year)			CO2e (Metric Tons/year)
	CO_2	CH_4	N_2O	
Gas Car	527,545	44.9	46.4	246.24
Gas Truck	1,206,947	83.7	109.3	563.63
Diesel Truck	170,998	0.3	0.5	77.63
Motorcycle	12,206	5.1	0.5	5.66
Total	1,905,490	129.0	156.1	887.5

(1) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 GHG Emission Quantification Methodologies

CO2, CH4, or N2O Emissions (kg/yr) = Annual Mileage by Segment Type (Mi/yr) x Emission Factor (kg/passenger mile)
CO2e Emissions (MT/yr) = CO2 Emissions + (CH4 Emissions x GWP) + (N2O Emissions x GWP)

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Contracted Wastewater Treatment

1.0 Employee Data

Employee Type	Number of Employees	Workdays Per Year	Total Employee Days[1]
Weekday	320	250	40,000
Weekend	20	104	1,040
Drill Weekend	1025	24	24,600
Total			65,640

(1) 1/2 of weekday and weekend employee workdays allocated to facility per DOE default for workdays.
100% of drill weekend employee workdays allocated to facility as employees sleep on base.

2.0 Calculation of Emissions Resulting From Contracted Centralized WWTP with Anaerobic Digestion (100%)
100% of WWTP assumed use Anaerobic Digestion per DOE

2.1 Calculation of Energy Content of Combusted Methane Produced from Anaerobic Digestion

Per Capita Digester Gas Produced per Day[1] (ft^3/Person/Day)	Fraction CH_4 in Biogas[1]	Density of CH_4 (kg/ft^3)	Total Quantity CH_4 Emitted[2] (kg/year)	Combustion Oxidation Factor	Higher Heating Value[3] (MMBtu/kg CH_4)	Energy Content of Methane Combusted[4] (MMBtu)
1.0	65.0%	0.019	799.330	99.0%	0.0438	34.7

(1) DOE Default value
(2) Formula: CH_4 Emitted (Kg) = Total Employee Days * Per Capita Digester Gas (ft^3/person/day) * % CH_4 * Density CH4 (kg/ft^3)
(3) EPA MRR Biogas HHV value = 0.000841 MMBtu / scf 0.0423 = lb. CH4/scf (at 520R or 60F) or (1/0.0423) 23.641 scf / lb. CH4
This HHV factor was checked against those found in the WRI GHG Protocol and found to be consistent with the range WRI biogas HHV = 0.0123214 MMBtu / kg
(4) Formula: Energy Content (MMBtu) = CH4 Emitted (kg/yr) * Combustion Oxidation Factor * HHV (MMBtu /kg CH4)

2.2 Emission Factors and Calculated Emissions from Methane Combustion

GHG Type	Combustion Emission Factor[2] (MT/MMBtu)	Quantity Emitted (lb/year)	Quantity Emitted CO_2e[4] (MT/year)
Carbon dioxide (biogenic)[1]	0.052070	3,981.734	
Methane	0.000003	0.245	0.002
Nitrous oxide	0.000001	0.048	0.007
		Sub-Total CO_2e (Metric Tons/Year)	0.009

(1) Biogenic CO_2 is not included in reported GHG emissions per EPA guidance
(2) Source: U.S. EPA Greenhouse Gas Reporting Program, Federal Register / Vol. 74, No. 209 / Friday, October 30, 2009 / Rules and Regulations, Table C-2 to Subpart C of Part 98. & U.S. EPA Climate Leaders, Offset Project Methodology for Project Type: Landfill Methane Collection and Combustion, August 2008. Table C-1 to Subpart C of Part 98 & Table C-2 to Subpart C of Part 98.
(3) Formula: Quantity Emitted (lb/yr) = Energy Content (MMBtu) * Combustion EF (MT/MMBtu) * 2,204.6 (lb/MT)
(4) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Contracted Wastewater Treatment

3.0 Nitrous Oxide Emissions from Contracted Centralized WWTP with and without Nitrification / Denitrification

3.1 Emission Calculations for Contracted Centralized WWTP with and without Nitrification / Denitrification

WWTP Type	% Population Served[1]	N_2O Emission Factor for a WWTP[2] (g/person/day)	N_2O Emissions[3] (lb/year)	CO_2e Emissions[4] (MT/year)
WWTP with N/D	36.5%	0.019	1.0	0.142
WWTP without N/D	63.5%	0.009	0.8	0.113
Total Weighted Emissions			1.8	0.256

(1) According to the U.S. EPA Clean Watersheds Needs Survey 2004 Report to Congress, 36.5% of systems in the US have advanced wastewater treatment, which features a nitrification/denitrification stage. Weighted averages are used for both types of WWTP to estimate emissions per DOE guidance
(2) Source: https://www.fedcenter.gov/programs/greenhouse/inventoryreporting/fempceqresources/portal/
(3) Formula: N2O Emissions (lb/yr) = Total Annual Workdays * % Population Served * N2O EF (g/person/day) /
(4) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

3.2 Total Nitrogen in Effluent Discharge to Rivers and Estuaries for WWTP with and without Nitrification / Denitrification

Per capita Nitrogen Load[1] (kg N/Day)	Nitrogen uptake for cell growth[1] (kg N / kg BOD5)	Per capita BOD_5 produced per day[1] (kg BOD5/Day)	Annual N produced[2] (kg)
0.026	0.05	0.09	1,411.3

(1) Source: https://www.fedcenter.gov/programs/greenhouse/inventoryreporting/fempceqresources/portal/
(2) Formula: Total N (kg) = Total Work Days * [Per Capita Nitrogen Load (kg N/day) - [Nitrogen Uptake for Cell Growth (kg N/kg BOD5) * Per Capita BOD5 Produced per Day (kg BOD5/day)]]

WWTP Type	% Population Served[1]	Effluent Emission Factor[2] (kg N2O/kg sewage-N Produced)	N2O to N2 Ratio[2]	Plant Nitrification / Denitrification Factor[2]	N_2O Emissions[3] (lb/year)	CO_2e Emissions[4] (MT/year)
WWTP with N/D	36.5%	0.005	1.6	0.7	2.7	0.4
WWTP without N/D	63.5%	0.005	1.6	0.0	15.5	2.2
Total Weighted Emissions					18.2	2.6

(1) According to the U.S. EPA Clean Watersheds Needs Survey 2004 Report to Congress, 36.5% of systems in the US have advanced wastewater treatment, which features a nitrification/denitrification stage. Weighted averages are used for both types of WWTP to estimate emissions per DOE guidance
(2) Source: https://www.fedcenter.gov/programs/greenhouse/inventoryreporting/fempceqresources/portal/
(3) Formula: N2O Emissions (lb/yr) = % Population Served * Total N (kg/yr) * Effluent EF (kg N20/kg Sewage-N) * N2O to N2 Ratio * [1 - Plant N/D Factor] * 2.2 (lb/kg)
(4) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 Annual GHG Emissions from Offsite Waste Water Treatment

Process	Annual Actual Emissions (lbs/year)			CO2e (MT/year)
	CO_2[1]	CH_4	N_2O	
Contracted Centralized WWTP	--	0.2	1.9	0.3
Contracted Effluent Discharge to Rivers and Estuaries	--	--	18.2	2.6
Total	0.0	0.2	20.0	2.8

(1) All CO2 emissions from WWTP are Biogenic CO_2, thus they are not reported per EPA guidance
(2) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Contracted Solid Waste Disposal

1.0 Mass of Solid Waste Disposed Off-site during CY 2012 as Reported by Installation Staff

253	Short Tons

2.0 Calculation of Total Landfill Gas Emitted Uncontrolled

Degradable Organic Carbon (DOC)[1] (MT C/MT Waste)	DOC Anaerobic Digestibility[1]	Methane Correction Factor[1]	Methane % of Landfill Gas[1]	Molecular Weight Conversion		Total Quantity Emitted[2] (MT/year)	
				CO_2	CH_4	CO_2	CH_4
0.203	50%	1	50%	3.67	1.33	42.71	15.53

(1) Source: EPA Inventory of US Greenhouse Gas Emissions and Sinks: 1990-2007, p. A-304, http://www.epa.gov/climatechange/emissions/downloads09/Annex3.pdf

3.0 Landfill Gas Emissions by Process Type

3.1 Emissions from Landfill Gas Production

GHG Type	Percentage Uncontrolled Release[2]	Methotropic Bacteria Oxidation[3]	Quantity Emitted[4] (lb/year)	Quantity Emitted CO_2e[5] (MT/year)
Carbon dioxide (biogenic)[1]	100%		94,158	
Methane	50%	10%	15,408	146.77

(1) Biogenic CO_2 is not included in reported GHG emissions per EPA guidance
(2) Default percentage of U.S. landfills with landfill gas collection system from EPA Climate Leaders, Offset Project Methodology Guidance
(3) Default oxidation value from EPA Climate Leaders, MSW Landfill Guidance.
(4) Formula: Quantity Emitted (lb/yr) = Total Quantity Emitted (MT/yr) * % Uncontrolled Release * (1 - % Methotropic Bacteria Oxidation) * 2,204.6 (lb/MT)
(5) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

3.2 Emissions from Methotropic Oxidation during Landfill Gas Production

GHG Type	Methotropic Bacteria Oxidation[1]	C Molecular Weight	CH4 Molecular Weight	CO2 Molecular Weight	Quantity Emitted[2] (lb/year)	Quantity Emitted CO_2e[3] (MT/year)
Carbon Dioxide (biogenic)	10%	12	16	44	4,708	

(1) Default oxidation value from EPA Climate Leaders, MSW Landfill Guidance.
(2) Formula: Quantity Emitted (lb/yr) = Total Quantity CH4 Emitted (MT/yr) * Methotropic Bacteria Oxidation * [(MWC/MWCH4)*(MWCO2/C)] * 2,204.6 (lb/MT)
(3) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Contracted Solid Waste Disposal

3.3 Emissions from Landfill Gas Collection Loss

GHG Type	Methotropic Bacteria Oxidation[1]	Landfill Gas Collection System Efficiency[2]	Percentage Uncontrolled Release[3]	Quantity Emitted[4] (lb/year)	Quantity Emitted CO_2e[5] (MT/year)
Methane	10%	75%	50%	3,852	36.69

(1) Default oxidation value from EPA Climate Leaders, MSW Landfill Guidance.
(2) Default landfill gas collection system efficiency from EPA Climate Leaders, MSW Landfill Guidance.
(3) Default percentage of U.S. landfills with landfill gas collection system from EPA Climate Leaders, Offset Project Methodology Guidance
(4) Formula: Quantity Emitted (lb/yr) = Total Quantity CH4 Emitted (MT/yr) * (1 - % Uncontrolled Release) * (1 - LF Gas Collection Sys Eff (%)) * (1 - Methotropic Bacteria Oxidation)
(5) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

3.4 Emissions from Methotropic Oxidation during Landfill Gas Collection Loss

GHG Type	Methotropic Bacteria Oxidation[1]	C Molecular Weight	CH4 Molecular Weight	CO2 Molecular Weight	Quantity Emitted[2] (lb/year)	Quantity Emitted CO_2e[3] (MT/year)
Carbon Dioxide (biogenic)	10%	12	16	44	1,177	

(1) Default oxidation value from EPA Climate Leaders, MSW Landfill Guidance.
(2) Formula: Quantity Emitted (lb/yr) = Total Quantity CH4 Emitted (MT/yr) * Methotropic Bacteria Oxidation * [(MWC/MWCH4)*(MWCO2/C)] * 2,204.6 (lb/MT)
(3) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

3.5 Emissions from Landfill Gas Flaring

GHG Type	Landfill Gas Collection System Efficiency[1]	Venting Loss[2]	HHV[3] (MMBtu/ MT CH4)	Energy Content of Methane Combusted[4] (MMBtu)	Combustion Emission Factor (MT/MMBtu)	Combustion Oxidation Factor	Quantity Emitted[5] (lb/year)	Quantity Emitted CO_2e[6] (MT/year)
Carbon Dioxide (biogenic)			43.8	252.5	0.05207	99%	28,700	
Methane	75%	1%	43.8	252.5	0.000003		1.67	0.016
Nitrous Oxide			43.8	252.5	0.000001		0.56	0.078

(1) Default landfill gas collection system efficiency from EPA Climate Leaders, MSW Landfill Guidance.
(2) Default venting loss from EPA Climate Leaders, MSW Landfill Guidance.
(3) HHV value is derived by DOE from EPA MRR HHV factor.
(4) Formula: Energy Content CH4 (MMBtu) = Total CH4 Emitted (MT/yr) * LF Gas Collection Sys Eff. * (1 - Venting Loss) * HHV (MMBtu / MT CH4)
(5) Formula: Quantity Emitted (lb/yr) = Energy Content CH4 (MMBtu) * Combustion EF (MT/MMBtu) * Combustion Oxidation Factor * 2,204.6 (lb/MT)
(6) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

Appendix C - Indirect GHG Emission Calculations
186 ARW, Meridian, MS

Scope 3 - Contracted Solid Waste Disposal

3.6 Emissions from Landfill Gas Flare Venting

GHG Type	Percentage Uncontrolled Release[1]	Landfill Gas Collection System Efficiency[2]	Venting Loss[3]	Quantity Emitted[4] (lb/year)	Quantity Emitted CO_2e[5] (MT/year)
Methane	50%	75%	1%	128	1.223

(1) Default percentage of U.S. landfills with landfill gas collection system from EPA Climate Leaders, Offset Project Methodology Guidance
(2) Default landfill gas collection system efficiency from EPA Climate Leaders, MSW Landfill Guidance.
(3) Default venting loss from EPA Climate Leaders, MSW Landfill Guidance.
(4) Formula: CH4 Emitted (lb/yr) = Total CH4 Emitted (MT/yr) * % Uncontrolled Release * LF Gas Collection Sys Eff (%) * Venting Loss (%) * 2,204.6 (lb/MT)
(5) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

4.0 Total Emissions From Off-site Solid Waste Disposal

Process	Annual Actual Emissions (lbs/year)			CO2e (MT/year)
	CO_2[1]	CH_4	N_2O	
Landfill Gas Production	--	15,407.7	--	146.8
Methotropic Oxidation from Landfill Gas Production	--	--	--	0.0
Landfill Gas Collection Loss	--	3,851.9	--	36.7
Methotropic Oxidation from Landfill Gas Collection Loss	--	--	--	0.0
Landfill Gas Flaring	--	1.7	0.6	0.1
Landfill Gas Flare Venting	--	128.4	--	1.2
Total	--	19,389.7	0.6	184.8

(1) All CO2 emissions from solid waste disposal are Biogenic CO_2, thus they are not reported per EPA guidance
(2) GWP values from U.S. EPA Greenhouse Gas Reporting Program; Federal Register / Vol. 74, No. 209; Table A-1

Appendix D

Data Source Details and Data Collection Forms

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ANG AEI DATA COLLECTION FORM

General Information

Installation (Title/Symbol): 186 ARW
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name): JPG
Date: 30-Jun-14

· Mission of the base: Provide an updated mission statement for the base.	The Mission of Key Field Air National Guard Base, the 186th Air Refueling W
· Number and type of aircraft operated in calendar year 2013:	1 - RC26, 7 - KC135 (arrival staggered beginning in August)
· Maximum number and type of aircraft that can be operated based on existing Infrastructure :	Approximately 10
· Electronic version of the Installation's site plan (in color). [IF CHANGED FROM LAST AEI]	No change
· Electronic version of the GSU's site plan (in color). (IF APPLICABLE)	NA
· Copies of all the Installation's air quality permits. (IF APPLICABLE)	NA
· Do you Submit your AEI to your State Agency (Yes/NO)	No
· If Yes, How often (Annual, every 2 years, etc.)	NA
· Date last AEI was submitted to your State Agency/ Due date	Unknown/NA
· State Agency POC for Air Emissions Inventory. (IF APPLICABLE)	NA
· State Agency POC for Compliance Inspections and Permitting Issues	Khairy Abu-Salah, 601-961-5284

Please have this information ready for the Field Team to collect during the Site Visit if you have not already provided it

ANG AEI DATA COLLECTION FORM

Facility Data

Installation (Title/Symbol): 186 ARW
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name): JPG
Date: 30-Jun-14

Facility EPA ID:	MS5572825904
Is this Facility under EPA Jurisdiction?	Yes
State/Territory:	MS
County:	
Greenhouse Gas Status:	NOT A SOURCE
Title V Permit Status:	True Minor
Stationary AEI Frequency (years):	1 year
Mobile AEI Frequency (years):	3 years
Do you have Emission Reduction Credits currently banked?	No
List Pollutants banked:	
Subject to Section 118:	Yes

Please select the appropriate choice from the drop down box when available.

ANG AEI DATA COLLECTION FORM

Criteria Pollutants

8 records found.

Edit/View Clear

Pollutant	Permit Limit (tons/yr)	Limit Source Specific?	Status	Classification	SIP Budget (tons/yr)	Allocation Method	Status	Classification
1-HrO_3 - OZONE ONE HOUR AVERAGE			NON ATTAINMENT	SEVERE 17	---	---	Attainment	
8-HrO_3 - OZONE EIGHT HOUR AVERAGE			ATTAINMENT	---	---	---	Attainment	
CO - CARBON MONOXIDE			ATTAINMENT	---	---	---	Attainment	
HAP - HAZARDOUS AIR POLLUTANTS			ATTAINMENT	---	---	---	Attainment	
Pb - LEAD			ATTAINMENT	---	---	---	Attainment	
PM10 - PARTICULATE MATTER LESS THAN 10 MICRONS			ATTAINMENT	---	---	---	Attainment	
PM2.5 - PARTICULATE MATTER LESS THAN 2.5 MICRONS			NON ATTAINMENT	---	---	---	Attainment	
SO_2 - SULFUR DIOXIDE (as SO_x)			ATTAINMENT	---	---	---	Attainment	

Criteria Pollutant Precursors

2 records found.

Edit/View Clear

Pollutant	Permit Limit (tons/yr)	Limit Source Specific?	Status	Classification	SIP Budget (tons/yr)	Allocation Method	Status	Classification
NO_2 - NITROGEN DIOXIDE (as NO_x)			ATTAINMENT	---	---	---	Attainment	
VOC - VOLATILE ORGANIC COMPOUND			ATTAINMENT	---	---	---	Attainment	

ANG AEI DATA COLLECTION FORM

NESHAP

Facility | Industrial | Attainment | **NESHAP** | Emission Reduction Credits

Check all NESHAPs that apply

		Column 1 (yes/no)	Column 2 (yes/no)
☐ Aerospace Manufacturing & Rework	☐ Industrial, Commercial, and Institutional Boiler and Process Heaters (Major Sources)	NO	NO
☐ Boilers (Area Sources)	☐ PVC and Copolymers Production	NO	NO
☐ Chromium Electroplating & Anodizing	☐ Secondary Aluminum Production	NO	NO
☐ Defense Land Systems and Miscellaneous Equipment	☐ Stationary Internal Combustion Engines (RICE)	NO	NO
☐ Electric Utility Steam Generating Unit	☐ Other (Specify)	NO	NO

Specification of Other:

EM Contact

Point Of Contact | Work Assignments | Inspection Preferences | Certifications

		Contact Information
First Name: *	HARRY FORTENBERRY	John
Middle Initial:		P
Last Name:		Garrett
Suffix:		
Employee Email: *	Harrry.Fortenberry@eglin.af.mil	john.garrett@ang.af.mil
Company Name:	EMPLOYEES NOT OTHERWISE ASSIGNED (Verified)	MS ANG
Office Symbol:	(Unverified)	186 CES
Unit/Org:		CES
Employee Phone No:	8508827677	6014849809
Current Employee:	◉ Yes ○ No	Yes

Notes:
Please fill in the yellow cells with updated information.

ANG AEI DATA COLLECTION FORM

SOURCE CATEGORY CD	SOURCE CATEGORY NAME	SOURCE DESCRIPTION	Sources Included in Your Last AEIR	2013 Air Emission Sources	POC with Phone Number
ABCL	ABRASIVE CLEANING	ABRASIVE BLASTING USES MATERIAL TO CLEAN OR TEXTURES A MATERIAL SUCH AS METAL OR MASONRY, FOR SURFACE PREPARATION AND PAINTING. BLASTING ABRASIVE MATERIALS INCLUDE SAND, SLAG, MINERAL ABRASIVE, METALLIC ABRASIVE (SHOT OR GRIT) AND PLASTIC ABRASIVES.	X	X	MSgt Pervis Powe - 601-484-9385
ACAN	AEROSOL CAN CRUSHING	THE CRUSHING OF EMPTY, NON-PRESSURIZED AEROSOL CANS FOR THE PURPOSE OF RECYCLING THE METAL.		X	SSgt Kyle Davis - 601-484-9350
AST	ABOVE GROUND STORAGE TANKS	ABOVEGROUND STORAGE TANKS WITH EITHER, A FIXED ROOF, AN EXTERNAL FLOATING ROOF, OR AN INTERNAL FLOATING ROOF.	X	X	MSgt Pervis Powe - 601-484-9385
CELL	FUEL CELL MAINTENANCE	MAINTENANCE OF AIRCRAFT FUEL CELLS. EXCLUDES GENERAL SOLVENT USE.	X	X	MSgt Carl Dean - 601-484-9326
CHEM	MISC CHEMICAL USAGE	NON-SOLVENT USAGE NOT COVERED IN ANOTHER SOURCE CATEGORY	X	X	SSgt Kyle Davis - 601-484-9350
DEGR	DEGREASING/SOLVENT CLEANING	INCLUDES ANY PROCESS FOR CLEANING VARIOUS ITEMS, USING SOLVENTS AND EQUIPMENT, TO INCLUDE COLD CLEANERS, SOLVENT SPRAY BOOTHES AND VAPOR DEGREASER	X	X	CMSgt Anthony Truhett - 601-484-9870
ECOM	EXTERNAL COMBUSTION	EXTERNAL COMBUSTION INCLUDES STEAM/ELECTRIC GENERATING PLANTS AND INDUSTRIAL APPLICATIONS.	X	X	CMSgt Tullus Johnson - 601-484-9408
FDSP	FUEL DISPENSING	THIS CATEGORY SHOULD BE USED FOR THE MOBILE/STATIONARY TRANSFER OF FUEL (GASOLINE, DIESEL, JP-8 OR OTHER) TO VEHICLES, SPACECRAFTS, AIRCRAFTS, AND MISCELLANEOUS EQUIPMENTS SUCH AS AEROSPACE GROUND EQUIPMENT FUEL TANKS.	X	X	MSgt Pervis Powe - 601-484-9385
FLD	FUEL LOADING RACKS	LOADING RACKS INCLUDES FACILITIES AT WHICH CARGO TANKS ARE LOADED WITH FUEL FOR TRANSPORT TO ANOTHER LOCATION. THIS CATEGORY DOES NOT INCLUDE LOADING OF BULK STORAGE TANKS AT RACKS, OR LOADING OF FUEL TANKS IN VEHICLES OR AIRCRAFTS.	X	X	MSgt Pervis Powe - 601-484-9385
ICOM	INTERNAL COMBUSTION	INTERNAL COMBUSTION INCLUDES GAS TURBINES AND RECIPROCATING ENGINES, SUCH AS EMERGENCY GENERATORS AND ENGINES USED TO GENERATE EMERGENCY POWER, PUMP GAS OR OTHER FLUIDS, COMPRESS AIR FOR PNEUMATIC MACHINES, CHILLERS, OR PEAK POWER.	X	X	CMSgt Tullus Johnson - 601-484-9408
ODC	OZONE DEPLETING CHEMICALS	OZONE DEPLETING CHEMICAL HANDLING SUCH AS FOR REFRIGERATION UNITS AND FREON RECYCLING. MATERIALS CONTAIN CLASS I AND CLASS II ODCS AS REGULATED BY TITLE VI OF THE CAAA90.	X	X	CMSgt Tullus Johnson - 601-484-9408
PEST	HERBICIDE/PESTICIDE APPLICATION	ANY APPLICATION OF HERBICIDE/PESTICIDE IN LIQUID, SOLID OR AEROSOL FORM	X	X	CMSgt Tullus Johnson - 601-484-9408

ANG AEI DATA COLLECTION FORM

SOURCE CATEGORY CD	SOURCE CATEGORY NAME	SOURCE DESCRIPTION	Sources Included in Your Last AEIR	2013 Air Emission Sources	POC with Phone Number
RDL	REMEDIATION	PROCESS BY WHICH ENVIRONMENTAL MEDIA (SOIL, GROUNDWATER, ETC.) CONTAMINATED WITH HAZARDOUS MATERIAL IS REMEDIATED, I.E. CLEANED TO A LEVEL BELOW A CERTAIN POTENTIAL EXPOSURE RISK.		X	Leidos, Mike Poligone 865-481-8749 JUST DOING SAMPLING
SURF	SURFACE COATING	SURFACE COATING INCLUDES ALL PROCESSES IN WHICH A MATERIAL IS APPLIED TO THE SURFACE OF A SOLID SUBSTRATE, INCLUDING PAINTING AND PRINTING	X	X	MSgt Pervis Powe - 601-484-9385
WELD	WELDING/SOLDERING/CUTTING	WELDING IS TO PRESS OR BEAT INTO INTIMATE AND PERMANENT UNION. SOLDERING IS TO UNITE BY THE INTERVENTION OF A MORE FUSIBLE METAL OR METALLIC ALLOY APPLIED WHEN MELTED. JOINING BY MEANS OF METALLIC CEMENT	X	X	CMSgt Tullus Johnson - 601-484-9408
WOOD	WOODWORKING	ANY OPERATION THAT INVOLVES THE GENERATION OF SMALL WOOD PARTICLES (SHAVINGS, SANDER DUST, SAWDUST ETC.) BY ANY KIND OF MECHANICAL MANIPULATION OF WOOD, BARK, OR WOOD BY-PRODUCTS. THIS DOES NOT INCLUDE LANDSCAPING AND COMPOSTING ACTIVITIES	X	X	CMSgt Tullus Johnson - 601-484-9408

ANG AEI DATA COLLECTION FORM

1.0 Data Required to Calculate Emissions for Natural Gas Residential Furnaces (0-100 MMBtu/hr)
(SCC Code 2103006000)

Are there any of these sources at the installation (1 = YES, 0 = NO)? **1**

				For Heating Units greater than 1.0 MMBtu/hr		
Location (Building)	**Rated Heat Input (Btu/hr)**	**Number at Location**	**Total Heat Input (MMBtu/hr)**	**Manufacturer**	**Model Number**	**Heating Unit Type (1)**
Boilers < 0.3 MMBtu/hr						
Bldg. 100	75,000	1	0.08	ADP	--	--
Bldg. 103	125,000	4	0.50	--	--	--
Bldg. 104	125,000	1	0.13	--	--	--
Bldg. 104	80,000	4	0.32	Re-Verber-O-Ray	--	--
Bldg. 104	38,000	1	0.04	Rheem	--	--
Bldg. 105	48,000	1	0.05	Rheem	--	--
Bldg. 111	125,000	1	0.13	--	--	--
Bldg. 125	45,000	1	0.05	Rheem	--	--
Bldg. 150	90,000	16	1.44	--	--	--
Bldg. 150	125,000	10	1.25	--	--	--
Bldg. 150	60,000	2	0.12	Rheem	--	--
Bldg. 155	60,000	6	0.36	--	--	--
Bldg. 155	200,000	2	0.40	--	--	--
Bldg. 160	135,000	1	0.14	Lochinvar	--	--
Bldg. 160	15,000	9	0.14	--	--	--
Bldg. 200	40,000	1	0.04	Rheem	--	--
Bldg. 200	100,000	1	0.10	Tristar	--	--
Bldg. 200	36,000	4	0.14	Rheem	--	--
Bldg. 203	40,000	1	0.04	Rheem	--	--
Bldg. 308	180,000	2	0.36	Rheem	--	--
Bldg. 502	40,000	1	0.04	Rheem	--	--
Bldg. 600	100,000	1	0.10	Rheem	--	--
Bldg. 603	75,000	1	0.08	Rheem	--	--
Bldg. 705	60,000	3	0.18	Reznor	--	--
Bldg. 705	77,000	5	0.39	Sterling	--	--
Bldg. 705	104,000	2	0.21	Reznor	--	--
Bldg. 705	30,000	1	0.03	--	--	--
Location (Building)	**Rated Heat Input (Btu/hr)**	**Number at Location**	**Total Heat Input (MMBtu/hr)**	**Manufacturer**	**Model Number**	**Heating Unit Type (1)**
Natural Gas Boilers 0.3-100 MMBtu/hr						
Bldg. 105	594,000	1	0.59	American Standard	GW-10	--
Bldg. 135	500,000	1	0.50	RBI	FHN500-5B	--
Bldg. 150	330,000	2	0.66	Burham	806B-WI	--
Bldg. 155	360,000	1	0.36	Lochinvar	RVN380	--
Bldg. 160	1,118,400	2	2.24	Lochinvar	CBN1120	--
Bldg. 160	750,000	2	1.50	Lochinvar	CFN0750	--
Bldg. 203	500,000	1	0.50	Fulton	PHW-500	--
Bldg. 204	1,000,000	1	1.00	RBI	FHN1000S-00	--
Bldg. 204	300,000	2	0.60	HESco	HN250-PE-400-PG	--
Bldg. 308	528,000	1	0.53	Burham	809B-W	--
Bldg. 502	800,000	2	1.60	Trane	XR-80	--
Bldg. 600	650,000	1	0.65	Bryan	F650-W-GI	--
Bldg. 603	1,200,000	1	1.20	Well McLain	LGB-11	--
Bldg. 605	450,000	1	0.45	Fulton	PHW-500	--
Bldg. 705	390,000	1	0.39	Well McLain	PEG-7	--
Bldg. 710	637,500	1	0.64	Fulton	PHW-750	--
Bldg. 803	400,000	1	0.40	Peerless	D-1161-W/X-I	--
Total, All Boilers			**20.6**			
Total, Natural Gas-Fired Boilers < 0.3 MMBtu/hr			**6.818**			
Total, Natural Gas-Fired Boilers 0.3-100 MMBtuU/hr			**13.806**			

(1) Boiler type is either **watertube, firetube, or cast iron**.
If the heating unit is Firetube, please specify if it is Firebox or Scotch Marine.

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2.0 Fuel usage at installation.

Natural gas used during 2013 = **9,727,500** ft^3

Heat content of fuel = 1,000 BTU/ft^3

3.0 Calculation of Fuel Usage for Furnaces and Water Heaters < 0.3 MMBtu/hr

3.1 Annual Fuel Usage

Annual fuel usage based on heating unit size is used to calculate fuel usage by this size class (< 0.3 MMBtu/hr)

Annual fuel usage = Total heat input of this class (MMBTU/hr) ÷ Total heat input for all heating units (MMBtu/hr) x Total fuel used (cf/yr)

Annual fuel usage = 3,215,726 ft^3/yr

3.2 Hourly PTE Fuel Usage

Hourly potential to emit fuel usage is based on all furnaces and water heaters running at the same time

Total heat input, this class = 6.82 MMBtu/hr

Fuel usage = 6,818 ft^3/hr

Fuel usage = Total heat input, this class (MMBtu/hr) ÷ fuel heat content (Btu/ft^3) x 10^6 BTU/MMBtu

4.0 Calculation of Fuel Usage for Furnaces and Water Heaters 0.3-100 MMBtu/hr

4.1 Annual Fuel Usage

Annual fuel usage based on heating unit size is used to calculate fuel usage by this size class (0.3-100 MMBtu/hr)

Annual fuel usage = Total heat input of this class (MMBtu/hr) ÷ Total heat input for all heating units (MMBtu/hr) x Total fuel used (cf/yr)

Annual fuel usage = 6,511,774 ft^3/yr

4.2 Hourly PTE Fuel Usage

Hourly potential to emit fuel usage is based on all furnaces and water heaters running at the same time

Total heat input, this class = 13.8 MMBtu/hr

Fuel usage = 13,806 ft^3/hr

Fuel usage = Total heat input, this class (MMBtu/hr) ÷ fuel heat content (Btu/ft^3) x 10^6 Btu/MMBtu

5.0 Emission factors, from AP-42, Section 1.4 Tables 1.4-1 and 1.4-2, Residential Furnaces

Constituent	Emission Factors for Heating Units < 0.3 MMBtu/hr
CO	40 lb/1,000,000 ft^3
NO_x (2)	94 lb/1,000,000 ft^3
PM_{10} (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
$PM_{2.5}$ (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
SO_x	0.6 lb/1,000,000 ft^3
VOC	5.5 lb/1,000,000 ft^3

(1) Combination of both filterable and condensable particulate matter. All particulate matter is assumed to be less than 1 micron in diameter (ie. the emission factor applies to Total PM, PM10, and PM2.5), see AP-42, Table 1.4-2.

(2) If the combustion source is controlled, the uncontrolled emission factors would be mutiplied by the efficiency of the control device, or (1-CE).

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Emission factors, from AP-42, Section 1.4 Tables 1.4-1 and 1.4-2, Small Commercial Heating Units

Constituent	Emission Factors for Heating Units 0.3-100 MMBtu/hr
CO	84 lb/1,000,000 ft^3
NO_x (2)	100 lb/1,000,000 ft^3
PM_{10} (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
$PM_{2.5}$ (1)	7.6 lb/1,000,000 ft^3, condensible and filterable
SO_x	0.6 lb/1,000,000 ft^3
VOC	5.5 lb/1,000,000 ft^3

(1) Combination of both filterable and condensable particulate matter. All particulate matter is assumed to be less than 1 micron in diameter (ie. the emission factor applies to Total PM, PM10, and PM2.5), see AP-42, Table 1.4-2.

(2) If the combustion source is controlled, the uncontrolled emission factors would be multiplied by the efficiency of the control device, or (1-CE).

6.0 Calculation of Criteria Pollutant Emission Rates.

Total All Natural Gas Only Fired Boilers (i.e. <0.3 - 100 MMBTU/hr) - SCC Code 2103006000

Constituent	Annual Actual (lb/yr)	Hourly Potential to Emit (lb/hr) (1)	Annual Potential to Emit (lb/yr) (2)
CO	675.6	1.43	12,548
NO_x	953.5	2.02	17,709
PM_{10}	73.9	0.16	1,373
$PM_{2.5}$	73.9	0.16	1,373
SO_x	5.8	0.01	108
VOC	53.5	0.11	994

(1) Hourly potential to emit fuel usage is based on all heating units running at the same time.
(2) Annual potential to emit is based on 8,760 hr/yr.

6.1 Calculation of Annual Emissions

Actual Emissions (lb/yr)= ([Emission Factor (lb/mmcf) x Fuel Usage (cf/yr)] $_{<0.3\ MMBTU/hr}$ + [Emission Factor(lb/mmcf) x Fuel Usage (cf/yr)] $_{0.3\text{-}100MMBTU/hr}$) / 10^6 cf/mmcf

6.2 Calculation of Hourly PTE

Emissions (lb/hr) = [([Emission Factor (lb/mmcf) x Fuel Usage (cf/hr)]$_{<0.3\ MMBTU/hr}$ + [Emission Factor (lb/mmcf) x Fuel Usage (cf/hr)] $_{0.3\text{-}100\ MMBTU/hr}$) / 10^6 cf/mmcf]

6.3 Calculation of Annual PTE

Potential Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 hr/yr

7.0 Emission rate calculations for organic HAPs - SCC Code 2103006000

HAP constituents obtained from AP-42, Section 1.4, Table 1.4-3 (3/98).

Constituent	Emission Factor ($lb/10^6ft^3$)	Annual Actual (lb/yr)	Hourly Potential to Emit (lb/hr)	Annual Potential to Emit (lb/yr)
Benzene	0.0021	0.02	4.33E-05	0.4
Formaldehyde	0.075	0.73	1.55E-03	13.6
Hexane	1.80	17.51	0.04	325.2
Naphthalene	6.10E-04	0.01	1.26E-05	0.1
Polycyclic Organic Matter	8.80E-05	0.00	1.81E-06	0.0
Toluene	0.003	0.03	7.01E-05	0.6
Total		**18.299**	**0.04**	**339.9**

7.1 Calculation of Annual Emissions

Actual Emissions (lb/yr) = Emission Factor (lb/mmcf) x [Fuel Usage (cf/yr)$_{<0.3\ MMBTU/hr}$ + Fuel Usage (cf/yr) $_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

7.2 Calculation of Hourly PTE

Emissions (lb/hr) = Emission Factor (lb/mmcf) x [Fuel Usage (cf/hr)$_{<0.3\ MMBTU/hr}$ + Fuel Usage (cf/hr) $_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

7.3 Calculation of Annual PTE

Potential HAP Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 (hr/yr)

8.0 Emission rate calculations for inorganic HAPs - SCC Code 2103006000

HAP constituents obtained from AP-42, Section 1.4, Table 1.4-4 (3/98).

Constituent	Emission Factor ($lb/10^6 ft^3$)	Annual Actual (lb/yr)	Hourly Potential to Emit (lb/hr)	Annual Potential to Emit (lb/yr)
Arsenic	2.00E-04	0.002	4.12E-06	0.04
Beryllium	1.20E-05	1.17E-04	2.47E-07	0.00
Cadmium	0.001	0.011	2.27E-05	0.20
Chromium	0.001	0.014	2.89E-05	0.25
Cobalt	8.40E-05	0.001	1.73E-06	0.02
Lead	5.00E-04	0.005	1.03E-05	0.09
Manganese	3.80E-04	0.004	7.84E-06	0.07
Mercury	2.60E-04	0.003	5.36E-06	0.05
Nickel	0.002	0.020	4.33E-05	0.38
Selenium	2.40E-05	0.000	4.95E-07	0.00
Total		**0.06**	**1.25E-04**	**1.09**

8.1 Calculation of Annual Emissions

Actual Emissions (lb/yr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/yr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/yr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

8.2 Calculation of Hourly PTE

Emissions (lb/hr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/hr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/hr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

8.3 Calculation of Annual PTE

Potential HAP Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 (hr/yr)

9.0 Emission rate calculations for greenhouse gases - SCC Code 2103006000

GHG emission factors obtained from AP-42, Section 1.4, Table 1.4-2 (7/98)

Constituent	Emission Factor ($lb/10^6 ft^3$)	Annual Actual (lb/yr)	Hourly Potential to Emit (lb/hr)	Annual Potential to Emit (lb/yr)
CO_2	120,000	1,167,300	2,475	21,680,264
CH_4	2.3	22.37	0.05	415.54
N_2O	2.2	21.40	0.05	397.47

9.1 Calculation of Annual Emissions

Actual Emissions (lb/yr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/yr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/yr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

9.2 Calculation of Hourly PTE

Emissions (lb/hr) = Emission Factor (lb/mmcf) x [Fuel Usage $(cf/hr)_{<0.3\ MMBTU/hr}$ + Fuel Usage $(cf/hr)_{0.3\text{-}100\ MMBTU/hr}$]/ 10^6 cf/mmcf

9.3 Calculation of Annual PTE

Potential GHG Emissions (lb/yr) = Hourly PTE (lb/hr) x 8760 (hr/yr)

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1.0 Data Required to Calculate Emissions for Generators (< 600 HP)
(SCC Code 20200102)

Are there any diesel engines of this class at the installation (1 = YES, 0 = NO)? **1**

Location of Unit	Generator Rating (kW)	Generator Rating (hp)	Heat Input (MMBtu/hr)	Run Time (hr/yr)	Annual Power Output (kW-hr/yr)	Annual Power Output (hp-hr/yr)	Annual Heat Input (MMBtu/yr)
Backup Generators/Emergency Equipment							
Maint. Bldg 150	350.00	469.35	3.29	24	8,400	11,264	78.85
POL Fac. 126	200.00	268.20	1.88	24	4,800	6,437	45.06
SP Bldg 502	30.00	40.23	0.28	24	720	966	6.76
CE Bldg 600	15.00	20.12	0.14	24	360	483	3.38
Pump Bldg 151	280.00	375.48	2.63	12	3,360	4,506	31.54
Pump Bldg 151	280.00	375.48	2.63	12	3,360	4,506	31.54
Pump Bldg 151	280.00	375.48	2.63	12	3,360	4,506	31.54
CE Bldg 600	30.00	40.23	0.28	12	360	483	3.38
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	2.50	3.35	0.02	6	15	20	0.14
CE Bldg 600	2.50	3.35	0.02	6	15	20	0.14
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
CE Bldg 600	5.00	6.71	0.05	12	60	81	0.56
238 ASOS	10.00	13.41	0.09	310	3,100	4,157	29.10
238 ASOS	3.00	4.02	0.03	86	258	346	2.42
238 ASOS	5.50	7.38	0.05	54.4	299	401	2.81
238 ASOS	5.50	7.38	0.05	25.6	141	189	1.32
238 ASOS	5.50	7.38	0.05	22.7	125	168	1.17
Air Traffic Control	60.00	80.46	0.56	45	2,700	3,621	25.34
Air Traffic Control	60.00	80.46	0.56	45	2,700	3,621	25.34
Subtotal - Backup	**1,655**	**2,218.7**	**15.53**	**829**	**34,493**	**46,256**	**324**
Totals	**1,655**	**2,219**	**15.53**	**829**	**34,493**	**46,256**	**324**

1.1 Calculation of Unit Rating

Unit rating (kW) x 1.341 (hp/kW) = Unit rating (hp)

1.2 Calculation of Heat Input

Heat Input (MMBtu/hr) = Generator Rating (kW) x 1.341 (hp/kW) x 7000 (Btu/hp-hr) / 1,000,000 (Btu/MMBtu)

Note: The emission factors in AP-42 take into account the approximately 35% efficiency of internal combustion engines.

2.0 Emission Factors for Criteria Pollutants, from AP-42, Section 3.3. Table 3.3-1 (10/96)

Constituent	Emission Factor (lb/hp-hr)	Emission Factor (lb/gal)(2)
CO	0.00668	0.133
NO_x	0.03100	0.618
PM_{10} (1)	0.00220	0.044
$PM_{2.5}$ (1)	0.00220	0.044
SO_x	0.00205	0.041
VOC	0.00251	0.050

(1) All particulate matter is assumed to be less than 1.0 micrometer in diameter (i.e., the emission factor applies to Total PM, PM10, and PM2.5).

(2) Calculated based on 139,600 Btu/gal and 7,000 Btu/hp-hr

Sulfur Content of Fuel = 0.0008% maximum

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3.0 Calculation of Criteria Pollutant Emissions - SCC Code 20200102

Contituent	Annual Actual (lb/yr)	Backup Gen. Hourly PTE (lb/hr) (1)	Other Generator Hourly PTE (lb/hr) (1)	Annual PTE (lb/yr) (2)
CO	309.0	14.82	0.0	7,411
NO_x	1,433.9	68.78	0.0	34,390
PM_{10}	101.8	4.88	0.0	2,441
$PM_{2.5}$	101.8	4.88	0.0	2,441
SO_x	94.8	4.55	0.0	2,274
VOC	116.3	5.58	0.0	2,789

(1) Hourly potential to emit emissions are based on all engines running simultaneously.

(2) Annual potential to emit is based on 500 hr/yr for backup generators and 8,760 hrs for other generators.

3.1 Calculation of Annual Emissions:
Emission Factor (lb/hp-hr) x Annual Power Output (hp-hr/yr) = Emissions (lb/yr)

3.2 Calculation of Hourly PTE:
Emission Factor (lb/hp-hr) x Generator Rating (hp) = Emissions (lb/hr)

3.3 Calculation of Annual PTE:
Backup Generator Hourly PTE (lb/hr) x 500 hr/yr + Other generator hourly PTE (lb/hr) x 8760 hr/yr = Emissions (lb/hr)

4.0 Calculation of HAP Emissions - SCC Code 20200102

HAP constituent emission factors obtained from AP-42, Section 3.3, Table 3.3-2 (10/96)

Constituent	Emission Factor (lb/MMBtu)	Annual Actual (lb/yr)	Backup Gen. Hourly PTE (lb/hr)	Other Generator Hourly PTE (lb/hr)	Annual PTE (lb/yr)
Acetaldehyde	7.67E-04	0.248	0.012	0.0	6.0
Acrolein	9.25E-05	0.030	0.001	0.0	0.7
Benzene	9.33E-04	0.302	0.014	0.0	7.2
1,3-Butadiene	3.91E-05	0.013	0.001	0.0	0.3
Formaldehyde	1.18E-03	0.382	0.018	0.0	9.2
Naphthalene	8.48E-05	0.027	0.001	0.0	0.7
Polycyclic Organic Matter	8.32E-05	0.027	0.001	0.0	0.6
Toluene	4.09E-04	0.132	0.006	0.0	3.2
Xylenes	2.85E-04	0.092	0.004	0.0	2.2
Total emissions		**1.25**	**0.060**	**0.00**	**30.1**

4.1 Calculation of Actual Annual Emissions:
Emissions (lb/yr) = Emission Factor (lb/MMBtu) x Annual Heat Input (MMBtu/yr)

4.2 Calculation of Annual PTE:
Emissions (lb/yr) = Backup Generator Hourly PTE (lb/hr) x 500 hr/yr + Other generator hourly PTE (lb/hr) x 8760 hr/yr

5.0 Calculation of Greenhouse Gas Emissions - SCC Code 20200102

Emission factors obtained from AP-42, Section 3.3, Table 3.3-2 (10/96), EPA Inventory of Greenhouse Gas Emissions and Sinks, 1990 - 2004

Constituent	Emission Factor (lb/MMBtu)	Annual Actual (lb/yr)	Backup Gen. Hourly PTE (lb/hr)	Other Generator Hourly PTE (lb/hr)	Annual PTE (lb/yr)
CO_2	164.0	53,101	2,547	0	1,273,525
CH_4	0.005	1.51	0.07	0	36.12
N_2O	0.001	0.45	0.02	0	10.84

5.1 Calculation of Actual Annual Emissions:
Emissions (lb/yr) = Emission Factor (lb/MMBtu) x Annual Heat Input (MMBtu/yr)

5.2 Calculation of Hourly PTE:
Emissions (lb/hr) = Emission Factor (lb/hp-hr) x Generator Rating (hp)

5.3 Calculation of Annual PTE:
Emissions (lb/yr) = Backup Generator Hourly PTE (lb/hr) x 500 hr/yr + Other generator hourly PTE (lb/hr) x 8760 hr/yr

ANG AEI DATA COLLECTION FORM

1.0 Data Required to Calculate Emissions for Generators using Natural Gas (SCC Code 20200202)

Are there any generators of this class at the installation (1 = YES, 0 = NO)? **1**

Heat Content f\or Natural Gas = 1,000 Btu/ft^3

Sulfur Content for Natural Gas = 0.007% (assumed)

Location of Unit	Generator Rating (kW)	Run Time (hr/yr)	Annual Power Output (kW-hr/yr)	Annual Heat Input [1] MMBtu/yr
Backup Generators/ Emergency Equipment				
OPS Bldg 308	100.67	24.0	2,416	8
Fire Bldg 155	35.0	24.0	841	3
Comm Bldg 603	60.0	24.0	1,440	5
Comm Bldg 605	185.0	24.0	4,440	14
Subtotal - Backup	**380.7**	**96**	**9,137.24**	**28.71**
Total:	**381**	**96**	**9,137**	**28.7**

1.1 Calculation of Heat Input

Heat Input (MMBtu/yr) = Annual Power Output (kw-hr/yr) x 3142.1 (Btu/kW-hr) / 1,000,000 BTU/MMBtu

2.0 Emission factors, from AP-42, Section 3.2 Table3.2-3 Gaseous Emission Factors for 4-Stroke Rich Burn Natural Gas Engines

Constituent	Emission Factors (lb/MMBtu)
CO	3.510
NO_x	2.270
PM_{10}	0.019
$PM_{2.5}$ [1]	0.019
SO_x	0.001
VOC	0.030

(1) The emission factor for PM_{10} from natural gas generators was assumed to represent $PM_{2.5}$ emissions.

(2) Emission factors for 4-stroke rich-burn engines conservatively used for all natural gas generators.

3.0 Calculation of Criteria Pollutant Emissions - SCC Code 20200202

Constituent	Annual Actual (lb/yr)	Backup Generators Hourly PTE (lb/hr) [1]	Other Generator Hourly PTE (lb/hr) [1]	Annual PTE (lb/yr) [2]
CO	100.8	4.20	0.0	2,099
NO_x	65.2	2.72	0.0	1,358
PM_{10}	0.6	0.02	0.0	12
$PM_{2.5}$	0.6	0.02	0.0	12
SO_x	0.0	0.00	0.0	0
VOC	0.8	0.04	0.0	18

(1) Hourly potential to emit emissions are based on all engines running simultaneously.

(2) Annual potential to emit is based on 500 hr/yr for backup generators and 8,760 hrs for other generators

3.1 Calculation of Annual Emissions:

Annual Emissions (lb/yr) = Emission Factor (kg/kW-hr) x Annual Power Output (kW-hr/yr) x 2.205 (lb/kg)

3.2 Calculation of Hourly PTE:

Hourly PTE (lb/hr) = Emission Factor (kg/kW-hr) x Total Generator Rating (kW) x 2.205 (lb/kg)

3.3 Calculation of Annual PTE:

Emissions (lb/yr) = Backup Generator Hourly PTE (lb/hr) x 500 hr/yr + Other Generator Hourly PTE (lb/hr) x 8760 hr/yr

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4.0 Calculation of HAP Emissions

Constituent	Emission Factor (lb/MMBtu)	Annual Actual (lb/yr)	Backup Gen: Hourly PTE (lb/hr)	Other Generator Hourly PTE (lb/hr)	Annual PTE (lb/yr)
Acetaldehyde	2.79E-03	0.08	0.003	0.00	1.7
Acrolein	2.63E-03	0.08	0.003	0.00	1.6
Benzene	1.58E-03	0.05	0.002	0.00	0.9
Formaldehyde	2.05E-02	0.59	0.025	0.00	12.3
Total:		**0.79**	**0.03**	**0.00**	**16.4**

(1) Source: Uncontrolled emission factors for 4-stroke rich-burn engines. AP-42 section 3.2 table 3.2-3.

5.0 Calculation of Greenhouse Gas Emissions - SCC Code 20200202

Emission factors obtained from AP-42, Section 3.2, Table 3.2-2 (7/00), EPA Inventory of Greenhouse Gas Emissions and Sinks, 1990 - 2004

Constituent	Emission Factor (lb/MMBtu)	Annual Actual (lb/yr)	Backup Generators Hourly PTE (lb/hr) (1)	Other Generator Hourly PTE (lb/hr) (1)	Annual PTE (lb/yr)
CO_2	1.10E+02	3,158	132	0	65,794
CH_4	2.30E-01	6.60	0.3	0.0	137.57
N_2O (1)	--	0.00	0.00	0.00	0.00

(1) N_2O emission factors were not available for natural gas generators.

5.1 Calculation of Annual Emissions:
Emissions (lb/yr) = Emission Factor (lb/hp-hr) x Annual Power Output (hp-hr/yr)

5.2 Calculation of Hourly PTE:
Emissions (lb/hr) = Emission Factor (lb/hp-hr) x Generator Rating (hp)

5.3 Calculation of Annual PTE:
Emissions (lb/yr) = Backup Generator Hourly PTE (lb/hr) x 500 hr/yr + Other generator hourly PTE (lb/hr) x 8760 hr/yr

ANG AEI DATA COLLECTION FORM

Solvent Degreasers (DEGR)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	PROCESS_ID	Building Number	MODEL_NO	NSN	CY 2008 QTY	CY 2013 QTY ADDED	CY 2013 QTY REMOVED	QTY USED UOM	Density (lb/gal)	VOC Content
626093	ICD1302626093	103	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	103	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		
626093	ICD1302626093	104	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	104	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 77	SAFETY-KLEEN PREMIUM	15.5	3	0	GAL/YR		
626093	ICD1302626093	150	COLD DIP TANK - 77	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	200	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	200	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		
626093	ICD1302626093	503	COLD DIP TANK - 30 GAL	INLAND 921	1.3	0	0	GAL/YR		
626093	ICD1302626093	503	COLD DIP TANK - 30 GAL	SAFETY-KLEEN PREMIUM	15.5	0	0	GAL/YR		

ANG AEI DATA COLLECTION FORM

Fuel Dispensing (FDSP)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	PROCESS_ID	BLDG_NO	PROCESS_NAME	NSN	CY 2008 QTY	CY 2013 QTY	QTY USED UOM	Vapor Recovery (Y/N)	
								Stage I	Stage II
626019	IFU1354626019	125	BASEWIDE - DIESEL - TRUCK TO EQUIPMENT	DIESEL FUEL	262	370	GAL/YR	No	No
626020	IFU1354626020	125	BASEWIDE - DIESEL - SERVICE STATION DISPENSING	DIESEL FUEL	10,555	5,254	GAL/YR	No	No
626021	IFU1354626021	125	BASEWIDE - GASOLINE - SERVICE STATION DISPENSING	GASOLINE	15,358	13,030	GAL/YR	Yes	Yes
626023	IFU1354626023	125	BASEWIDE - JP-8 - TRUCK TO AGE	JP-8	9100	5,360	GAL/YR	No	No

ANG AEI DATA COLLECTION FORM

Fuel Loading (FLD)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	PROCESS_ID	PROCESS_NAME	Loading Type*	NSN	CY 2008 QTY	CY 2013 QTY	QTY USED UOM
625936	IFU1354625936	BASEWIDE - DIESEL - TANK TO TRUCK		DIESEL FUEL	10,555	5,624	GAL/YR
625937	IFU1354625937	BASEWIDE - JP-8 - TANK TO TRUCK		JP-8	4,238,060	659,150	GAL/YR
625938	IFU1354625938	BASEWIDE - JP-8 - TRUCK TO AIRCRAFT		JP-8	4,238,060	653,790	GAL/YR
625939	IFU1354625939	BASEWIDE - JP-8 - AIRCRAFT DEFUELING		JP-8	160,210	-	GAL/YR

ANG AEI DATA COLLECTION FORM

Horizontal Fixed Roof Tank (AST)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	625926	625928	625925	625927	625929
PROCESS_ID	IST1986625926126 - D	IST1986625928151 - D	IST1986625925126 - G	IST1986625927151 - D	IST1986625929151 - D
Tank ID No.	126 - DIESEL - HFR - 1	151 - DIESEL - HFR - 3	126 - GASOLINE - HFR - 1	151 - DIESEL - HFR - 2	151 - DIESEL - HFR - 4
Building No.	126	151	126	151	151
Type of Fuel or Chemical Stored[a]	DIESEL	DIESEL	GASOLINE	DIESEL	DIESEL
Shell Length (ft)	18	6	18	6	6
Shell Diameter (ft)	8	4	8	4	4
Working Volume (gal)	6,000	300	6,000	300	300
CY 2008 Throughput (gal/yr)	10,817.0	160.0	14,631.0	160.0	160.0
Actual Throughput During the Year (gal/yr)	7367	180	13030	180	180
Is Tank Heated? (y or n)	n	n	n	n	n
Is Tank Underground? (y or n)	n	n	n	n	n
Shell Color/Shade[b,c]	WHITE/WHITE	WHITE/WHITE	WHITE/WHITE	WHITE/WHITE	WHITE/WHITE
Shell Condition[b,d]	GOOD	GOOD	GOOD	GOOD	GOOD
Breather Vent Vacuum Setting (psig)[e]	.03	.03	.03	.03	.03
Breather Vent Pressure Setting (psig)[f]	-.03	-.03	-.03	-.03	-.03

ANG AEI DATA COLLECTION FORM

External Floating Roof Tank (AST)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	625934	625935		
PROCESS_ID	IST1986625934AD-003	IST1986625935AD-004		
Tank ID No.	AD-003 - JP-8 - EFR	AD-004 - JP-8 - EFR		
Building No.	123	126		
Type of Fuel or Chemical Stored[j]	JP-8	JP-8		
Tank Diameter (ft)	44	44		
Tank Volume (10^3gal)	210,000	210,000		
CY 2008 Throughput (gal/yr)	2,132,743	2,132,743		
CY 2013 Throughput During the Year (gal/yr)	357,645	357,645		
External Shell Color/Shade[c]	WHITE/WHITE	WHITE/WHITE		
External Shell Condition[d]	LIGHT RUST	LIGHT RUST		
Roof Color/Shade[c]				
Roof Paint Condition[d]				
Primary Rim Seal[e]				
Secondary Seal[f]				
Deck Type[g]				
Deck Fitting Category[h]	DETAIL	DETAIL		
Deck Construction[i]				

ANG AEI DATA COLLECTION FORM

Surface Coatings (SURF)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

Only include coatings NOT entered in EESOH-MIS

ID	Process ID	Product Used	Stock Number	CY 2013 Actual Use (gals/yr)	Paint Density (lb/gal)[1]	Application Method	VOC Content (lb/gal)
		All tracked through EESOH-MIS					

Notes:
Please fill in the yellow cells and verify that the information in the other cells is correct and current.
Please enter any information on any additional units in the spaces provided.
Please provide current MSDSs for any coatings not included in EESOH-MIS

ANG AEI DATA COLLECTION FORM

Surface Coatings (SURF)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

Please verify booth information is correct and fill in any available additional information.

ID*	629470	
Process ID	ICP1189629470	
Shop (Title/Symbol)	Sheet Metal Corrosion/ SMCO	
Building Number	Hangar	
Manufacturer of the Paint Booth	JBI	
Model Number of the Paint Booth	Constructed in place, no model #	
Serial Number of the Paint Booth	Constructed in place, no serial #	
Booth Installation Date	1992	
Types of parts/equipment painted in booth	aircraft, aircraft parts, AGE	
Types of spray guns used in booth[a]	HVLP	
Type of ventilation in booth[b]	Cross Draft	
Type of particulate control device[c]	dry filter	
Manufacturer, Model #, and Serial # of particulate control device	Binks	
Installation Date of particulate control device	1992%	
Rated Efficiency of particulate control device (%)	85%	
Type of VOC control device[d]	na	
Manufacturer, Model #, and Serial # of VOC control device	na	
Installation Date of VOC control device	na	
Rated Efficiency of VOC control device (%)	na	

[a] Examples include HVLP, Conventional, Airless, Air-Assisted Airless, Electrostatic, etc.

[b] Cross-draft, Down-draft, or other (describe)

[c] Examples include dry filters (give number of stages), waterwash system, oilwash system, etc.

[d] Examples include carbon adsorption system, thermal oxidizer (incinerator), catalytic oxidizer, etc.

ANG AEI DATA COLLECTION FORM

CHEMICAL USAGE (CHEM) *

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

*** Only include chemical usage NOT entered in EESOH-MIS.**

ID	Process ID	Process Name	Process Description	SOURCE CATEGORY CD	SOURCE TYPE CD	NSN	2013 QTY USED	QTY USED UOM
	All tracked through EESOH-MIS							

ANG AEI DATA COLLECTION FORM

Pesticide Usage (PEST)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

Only include Pesticides that are NOT entered into EESOH-MIS

ID	Process ID	Manufacturer	NSN	2008 Amount Pesticide Applied	2013 Amount Pesticide Applied	QTY USED UOM
629472	IPC1772629472	Sygenta	Reward	0.00	46.66	LB/YR
629472	IPC1772629472	Nufarm	Riverdale	0.00	0.54	LB/YR
629472	IPC1772629472	Nufarm	Razor Pro	0.00	2.59	LB/YR
629472	IPC1772629472	BASF	Image	39.75	0.39	LB/YR
629472	IPC1772629472	Ambrands	Amdro	0.00	4.17	LB/YR
629472	IPC1772629472	Monsanto	Ranger Pro	14.65	53.32	LB/YR
629472	IPC1772629472	Certified Labs/NCH	Sting X II	0.02	53.36	LB/YR
629472	IPC1772629472	Dow AgroSciences	Surflan AS	4.60	1.7	LB/YR
629472	IPC1772629472	Bayer	Tempo SC Ultra	4.22	1.41	LB/YR

ANG AEI DATA COLLECTION FORM

Fuel Cell Maintenance (CELL)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	PROCESS_ID	BLDG_NO	NSN	ESF USED (yes/no)	AVG NUMBER OF ESF BLOCKS USED	AVG AMOUNT OF RESIDUAL FUEL (gal)	# OF PURGES per Tank	TANK VOLUME (gal)	CY 2008 QTY Tanks Serviced	CY 2013 QTY Tanks Serviced	QTY USED UOM
626095	IFU1492626095		1&4 MAIN	no	N/A		1	435	27	0	EACH
626095	IFU1492626095		1&4 RES	no	N/A		1	2,116	17	0	EACH
626095	IFU1492626095		2&3 MAIN	no	N/A		1	2,289	22	0	EACH
626095	IFU1492626095		CENTER WING	no	N/A		1	7,312	9	0	EACH
626095	IFU1492626095		FWD BODY	no	N/A		1	5,811	6	0	EACH
			Aft Body Tank	no	N/A		1	6,418	0	0	EACH
			Upper Deck Tank	no	N/A		1	2,184	0	0	EACH
			Fuel Truck - JP-8 Tank					6000		1	Each

ANG AEI DATA COLLECTION FORM

Abrasive Cleaning (ABCL)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	Process ID	BLDG_NO	PROCESS NAME	Model Number	Equipment Size	Media Type	CY 2008 QTY*	CY 2013 QTY	QTY USED UOM	Control Efficiency *
626097	ICR1012626097	Bldg 160 - Corrosion					235	0	LB/YR	99%
626098	ICR1012626098	Bldg 104 - AGE					0	0	LB/YR	99%
626099	ICR1012626099	Bldg 150 - R & R					158	10	LB/YR	99%
626100	ICR1012626100	Bldg 150 - Pneudraulics					147	0	LB/YR	99%

ANG AEI DATA COLLECTION FORM

WOODWORKING (WOOD)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

ID	PROCESS_ID	BLDG_NO	LOCATION	TYPE OF CONTROL	CONTROL EFFICENCY (%)	NSN	CY 2008 USAGE	CY 2013 USAGE	QTY USED UOM
626098	IWD2145626098	Bldg 600		Cyclone	90%	Wood Waste	555	169	LB/YR

ANG AEI DATA COLLECTION FORM

Welding (WELD)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

Only include welding materials NOT entered in EESOH-MIS

ID	PROCESS_ID	LOCATION	TYPE OF WELD	NSN *	CY 2008 QTY	CY 2013 QTY	QTY USED UOM	ENCLOSURE (yes/no)	Other APCD Used?	Efficiency of APCD Used (%)
629471	IBC2131629471	Metals Tech - Bldg 150	GMAW	E70S	90	0	EACH	N/A	N/A	N/A
629471	IBC2131629471	Metals Tech - Bldg 150	SMAW	E6011	10	25	EACH	N/A	N/A	N/A
629471	IBC2131629471	Vehicle Maint. - Bldg 200	SMAW	E6011	4	6	EACH	N/A	N/A	N/A
629471	IBC2131629471	Vehicle Maint. - Bldg 200	GMAW	E70S	0	8	EACH	N/A	N/A	N/A
629471	IBC2131629471	238th ASOS - Bldg 503	SMAW	E6011	1	0	EACH	N/A	N/A	N/A
629471	IBC2131629471	CE - Bldg 600	SMAW	E6011	90	80	EACH	N/A	N/A	N/A
629471	IBC2131629471	CE - Bldg 600	GMAW	ER1260	10	0	EACH	N/A	N/A	N/A

ANG AEI DATA COLLECTION FORM

Ozone Depleting Chemicals (ODC)

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett, 1st Lt/601-484-9809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30-Jun-14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

*** Only include ODS usage NOT entered in EESOH-MIS.**

ID*	PROCESS_ID	BLDG_NO	NSN	CY 2008 QTY	CY 2013 QTY	QTY USED UOM	
626099	IEQ1124626099	600	HCFC-22	18.75	51.5	LB/YR	
626099	IEQ1124626099	600	HCFC-141B	2.52	0	LB/YR	
		200	HCFC-134a	0	10.43	LB/YR	* Removed 11.1 lbs
		600	R-404a	0	12.15	LB/YR	
		155	Halon 1211	0	0	LB/YR	

Notes:
Please fill in the yellow cells and verify that the information in the other cells is correct and current.
Please enter any information on any additional units in the spaces provided.
Please provide current MSDSs for any chemicals not included in EESOH-MIS

ANG AEI DATA COLLECTION FORM

Mobile Source Category Summary **186ARW**

SOURCE CATEGORY CD	SOURCE CATEGORY NAME	SOURCE DESCRIPTION	CY 2013 Air Emission Sources	POC with Phone Number
AGE	AEROSPACE GROUND EQUIPMENT	AEROSPACE GROUND EQUIPMENT OPERATION	AGE Shop	SMSgt Ronnie McDaniel - 601-484-9425
AOPS	AIRCRAFT OPERATIONS	AIRCRAFT OPERATIONS SUCH AS LANDINGS, TAKEOFFS, AND TOUCH-AND-GO ACTIVITIES.	OPS	MSgt Merche Copeland - 601-484-9790
VEHE	VEHICLE EMISSIONS	ANY TAILPIPE EMISSION ACTIVITY OR PROCESS CONDUCTED ON CARS, TRUCKS OR ANY OTHER ROAD VEHICLE , SUCH AS TANKS, OR ON ANY PARTS OF THESE VEHICLES.	Vehicle MX, CE	Veh MX - MSgt Harvey Troutman 601-484-9928; CE - CMSgt T
N/A	PERSONNEL INFORMATION	INFORMATION ON PERSONNEL STATIONED AT THE BASE, INCLUDING WEEK DAY, WEEKEND, AND DRILL WEEKEND	MPF	CMSgt Vic Chaney - 601-484-9871

Instructions:

Please fill in the cells that are higlighted in yellow.

1. Add check marks to the source categories that were locations at your installation in CY 2012.

2. Add point of contact information for each source category listed as operational in CY 2012.

ANG AEI DATA COLLECTION FORM

Aerospace Ground Equipment (AGE)

Shop (Title/Symbol): AGE/EM
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil
Data Recorded by (Name/Date): JPG/30 June 2014
Data Actual or Estimated? Actual
If Actual, Data Source : AGE Shop Superintendent

Unit Name	Number of Units	Building Number	NSN	CY 2013 QTY	QTY USED UOM
AM32A-95 JET STARTER - JP-8 - 6 UNITS	6 UNITS	503	JP - 8	1000	Gallons
H-1 HEATERS - DIESEL - RECIP - 7 HP - 11 UNITS	11 UNITS	503	JP - 8	600	Gallons
MC-7A AIR COMP - DIESEL - 48 HP - 2 UNITS	2 UNITS	503	JP - 8	200	Gallons
MA-3D AIR COMP - DIESEL - 110 HP - 4 UNITS	4 UNITS	503	JP - 8	300	Gallons
FL-1D FLOODLIGHT - DIESEL - 12 HP - 3 UNITS	3 UNITS	503	JP - 8	100	Gallons
NF-2D FLOODLIGHT - DIESEL - 12 HP - 10 UNITS	10 UNITS	503	JP - 8	250	Gallons
AM32A-86D GEN - DIESEL - 148 HP - 9 UNITS	9 UNITS	503	JP - 8	2200	Gallons
MJ-1-1 HYDR TEST STAND - DIESEL - 97 HP - 2 UNITS	2 UNITS	503	JP - 8	34	Gallons
MANIFOLD JACKING - DIESEL - 18 HP - 2 UNITS	2 UNITS	503	JP - 8	30	Gallons
SGNSC NITROGEN CART - DIESEL - 260 HP - 5 UNIT	5 UNIT	503	JP - 8	450	Gallons
HYDROBLASTER WASHING - DIESEL - 12 HP - 2 UNIT	2 UNIT	503	JP - 8	50	Gallons
MC-2A AIR COMP - GAS - 11 HP - 1 UNIT	1 UNIT	503	JP - 8	150	Gallons
HYDROBLASTER WASHING - GAS - 11 HP - 1 UNIT	1 UNIT	503	GAS	7	Gallons
JLG 800s MAN-LIFT	1 UNIT	503	DIESEL	160	Gallons

Notes:
Please fill in the yellow cells and verify that the information in the other cells is correct and current.
Please enter any information on any additional units in the spaces provided.

ANG AEI DATA COLLECTION FORM

Aircraft Operations (AOPS)

Shop (Title/Symbol): OPS/EM
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30 June 2014
Data Actual or Estimated? Actual
If Actual, Data Source : Ops - Stephens

Type of Operation	Type of Aircraft	Engine	2013 Number of Operations (op/year)
LTO'S	KC-135	F108-CF-100	8
LTO'S	C-26	TFE731-2/2A	1
TGO's	KC-135	F108-CF-100	278
TGO's	C-26	TFE731-2/2A	1410
TGO's	C-27	RR AE 2100	302
TRIM & POWER CHECKS	KC-135	F108-CF-101	0

Notes:
Please fill in the yellow cells and verify that the information in the other cells is correct and current.
Please enter any information on any additional units in the spaces provided.

ANG AEI DATA COLLECTION FORM

Vehicle Emissions (VEHE)

Shop (Title/Symbol): EM
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil
Data Recorded by (Name/Date): JPG/30 June 2014
Data Actual or Estimated? Actual/Estimated
If Actual, Data Source : CE, LRS - Motor Pool

Vehicle Type	Number of Units	Model Year	Fuel Type	Estimated Horse Power	CY 2013 QTY	QTY USED UOM
GOV - LIGHT DUTY GASOLINE VEHICLE	8		Gasoline		75000	VMT
GOV - LIGHT DUTY GASOLINE TRUCK <6000 LBS	11		Gasoline		50000	VMT
GOV - LIGHT DUTY GASOLINE TRUCK <8500 LBS	18		Gasoline		17000	VMT
GOV - HEAVY DUTY GASOLINE VEHICLE >8500 LBS	0		Gasoline		0	VMT
GOV - LIGHT DUTY DIESEL TRUCK <8500 LBS	8		Diesel		11500	VMT
GOV - DIESEL SCHOOL BUSES	3		Diesel		4500	VMT
GOV - HEAVY DUTY DIESEL VEHICLE >8500 LBS	58		Diesel		28000	VMT
OFF-ROAD GASOLINE - CHAIN SAW 1	2		Gasoline	1	8	ENGINE TIME
OFF-ROAD GASOLINE - BLOWERS	4		Gasoline	1	80	ENGINE TIME
OFF-ROAD GASOLINE - EDGE TRIMMER 1	4		Gasoline	1	40	ENGINE TIME
OFF-ROAD GASOLINE - CHAIN SAW 2	1		Gasoline	2	4	ENGINE TIME
OFF-ROAD GASOLINE - POLL SAWS 1	2		Gasoline	1	8	ENGINE TIME
OFF-ROAD GASOLINE - EDGE TRIMMER 2	1		Gasoline	1	4	ENGINE TIME
OFF-ROAD GASOLINE - WEED EATERS	5		Gasoline	1	160	ENGINE TIME
OFF-ROAD GASOLINE - LAWN MOWER 1	3		Gasoline	20	195	ENGINE TIME
OFF-ROAD GASOLINE - LAWN MOWER 2	1		Gasoline	20	65	ENGINE TIME
OFF-ROAD GASOLINE - DAIHATSU	7		Gasoline	25	360	ENGINE TIME
OFF-ROAD GASOLINE - MULE 1	1		Gasoline	25	100	ENGINE TIME
OFF-ROAD GASOLINE - GATOR	1		Gasoline	25	12	ENGINE TIME
OFF-ROAD GASOLINE - KWASKI MULE 1	2		Gasoline	25	190	ENGINE TIME
OFF-ROAD GASOLINE - HONDA 4 WHEELER 1	1		Gasoline	25	80	ENGINE TIME
OFF-ROAD GASOLINE - HONDA 4 WHEELER 2	1		Gasoline	25	50	ENGINE TIME
OFF-ROAD GASOLINE - KWASKI MULE 2	2		Gasoline	25	200	ENGINE TIME
OFF-ROAD GASOLINE - MULE 2	2		Gasoline	25	200	ENGINE TIME
OFF-ROAD GASOLINE - HONDA ATV 1	1		Gasoline	25	0	ENGINE TIME
OFF-ROAD GASOLINE - JOHN DEERE ATV	1		Gasoline	25	30	ENGINE TIME
OFF-ROAD GASOLINE - 550 MULE	3		Gasoline	25	300	ENGINE TIME
OFF-ROAD GASOLINE - HONDA ATV 2	1		Gasoline	25	0	ENGINE TIME
OFF-ROAD GASOLINE - HONDA ATV 3	1		Gasoline	25	8	ENGINE TIME
OFF-ROAD GASOLINE - WEED WHACKER	0		Gasoline	5	0	ENGINE TIME
OFF-ROAD GASOLINE - CONCRETE SAW	1		Gasoline	5	5	ENGINE TIME
OFF-ROAD GASOLINE - WOOD CHIPPER	0		Gasoline	5	0	ENGINE TIME
OFF-ROAD GASOLINE - PUSH MOWER	3		Gasoline	5	6	ENGINE TIME
OFF-ROAD GASOLINE - PRESSURE WASHER	1		Gasoline	5	8	ENGINE TIME
OFF-ROAD GASOLINE - POLL SAWS 2	0		Gasoline	1	0	ENGINE TIME
OFF-ROAD GASOLINE - POLL TRIMMER	0		Gasoline	1	0	ENGINE TIME
OFF-ROAD DIESEL - TRACTOR	2		Diesel	50	140	ENGINE TIME
OFF-ROAD DIESEL - FORKLIFT (4K)	2		Diesel	43	105	ENGINE TIME
OFF-ROAD DIESEL - FORKLIFT (6K)	2		Diesel	83	55	ENGINE TIME
OFF-ROAD DIESEL - FORKLIFT (15K)	1		Diesel	155	12	ENGINE TIME
OFF-ROAD DIESEL - FORKLIFT (10K)	3		Diesel	115	25	ENGINE TIME
OFF-ROAD DIESEL - AIRCRAFT CARGO LOADER	1		Diesel	250	1	ENGINE TIME
OFF-ROAD DIESEL - AIRCRAFT LOADER	1		Diesel	113	0	ENGINE TIME
OFF-ROAD DIESEL - AIRCRAFT TOWER	2		Diesel	160	15	ENGINE TIME
OFF-ROAD DIESEL - BOBCAT	1		Diesel	40	60	ENGINE TIME
OFF-ROAD DIESEL - BOBCAT 2	1		Diesel	78	47	ENGINE TIME
OFF-ROAD DIESEL - MULE	0		Diesel	25	0	ENGINE TIME
OFF-ROAD DIESEL - GATOR	1		Diesel	25	850	ENGINE TIME
OFF-ROAD NATURAL GAS - BUSHHOG	3		Natural Gas		0	NATURAL GAS

ANG AEI DATA COLLECTION FORM

Personnel Information **FOR CY 2013**

Shop (Title/Symbol): MSG/EM
POC (Name/Phone): John P. Garrett, 1st Lt
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/30 June 2014
Data Actual or Estimated? Actual
If Actual, Data Source : MSG Personnel

Number of Weekday Employees	Number of Weekend Employees	Number of Drill Weekend Employees	Number of workdays per year	Fraction of time at facility	Estimated Average Daily Roundtrip from Home to Base (miles)	Estimated Distance Traveled from Gate to Parking Space (miles)
320	20	1025	250	9.5 hrs	20	0.15

Is carpooling tracked, if so what percentage of employees carpool? No/NA

Notes:
Please fill in the yellow cells and verify that the information in the other cells is correct and current.
Personnel information will be used to estimate POV usage on base.

ANG AEI DATA COLLECTION FORM

SOURCE CATEGORY CD	SOURCE CATEGORY NAME	SOURCE DESCRIPTION	CY 2013 Air Emission Sources	POC with Phone Number
PPWR	PURCHASED POWER	THIS SOURCE CATEGORY IS USED FOR SCOPE 2 INDIRECT GREENHOUSE GAS EMISSIONS (PURCHASED POWER, HEAT, OR STEAM)	**X**	TSgt Eric Smith - 601-484-9300
	Off Site Waste Disposal	THIS SOURCE CATEGORY IS USED FOR SCOPE 2 INDIRECT GREENHOUSE GAS EMISSIONS (MUNICIPAL WASTE)	**X**	TSgt Eric Smith - 601-484-9300
	Employee Travel	THIS SOURCE CATEGORY IS USED FOR SCOPE 2 INDIRECT GREENHOUSE GAS EMISSIONS (EMPLOYEE TRAVEL)	**X**	MSgt Drew Spears - 601-484-9220

ANG AEI DATA COLLECTION FORM

Purchased Power

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett/6014849809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/1 July 14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

BLDG_NO	NSN	CY 2013 QTY	UNITS
Basewide	ELECTRICITY	5230.74	MWH

Notes:
Please fill in the yellow cells.

	CY 2013 QTY	UNITS
Any steam purchaced at facility during 2013?	0	
Any hot water purchaced at facility during 2013?	0	
Any chilled water purchaced at facility during 2013?	0	

ANG AEI DATA COLLECTION FORM

Off Site Waste Disposal

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett/6014849809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/1 July 14
Data Actual or Estimated? Actual
If Actual, Data Source : CES

BLDG_NO	NSN	CY 2013 QTY	UNITS
Basewide	MUNICIPAL WASTE	253	TON

Notes:
Please fill in the yellow cell.

ANG AEI DATA COLLECTION FORM

Employee Travel Information

Shop (Title/Symbol): CES/EM
POC (Name/Phone): John P. Garrett/6014849809
POC (Email Address): john.garrett@ang.af.mil

Data Recorded by (Name/Date): JPG/1 July 14
Data Actual or Estimated? Estimated
If Actual, Data Source : TMO

CY 2013 Air Travel Travel (miles)			CY 2013 Rail Travel Travel in (miles)			CY 2013 Bus Miles Traveled	CY 2013 Rental Car Travel (miles)		
Short Haul (<300 mi)	Medium Haul (≥300 mi and <700 mi)	Long Haul (>700 mi)	Transit Rail	Commuter Rail	Intercity Rail		Economy/ Compact	Midsized	Large/ Van
10000	100000	200000	0	0	0	0	8400	1200	0

Notes:
Please fill in the yellow cells.

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