ENVIRONMENTAL MANAGEMENT INITIATIVE			
1. Initiative Name: CO2 Inventory Program	1.a. Environmental Management Program(s) Supported: Air Emissions		
2. Initiative Lead: Bill Steinmetz	3. Document Control Code: EMI-2007-CO2 Inventory	4. Date: October 22, 2007	

5. Initiative Description:

This environmental initiative involves completion of an initial carbon dioxide inventory for various emission sources located on the NIEHS Campus. The inventory would be used to establish a carbon dioxide footprint and help prepare the facility for potential greenhouse gas regulations.

6. GOALS AND OBJECTIVES

2008 Objective(s):	Performance Indicator(s)	Resource requirements		
 List all carbon dioxide sources on the NIEHS Campus, determine emission factors to be used, calculate emissions. 	Baseline inventory completed	Current resources		

7. Significant Environmental Aspect(s):

Air Emissions

8. Reason(s) for Significance:

a. Potential environmental impact

9. Legal and Other Requirements:

- Executive Order 13423 Strengthening Federal Environmental, Energy, and Transportation Management requires federal facilities to reduce greenhouse gas emissions through reduction of energy intensity 30 percent by 2015, compared to an FY 2003 baseline. However, there are no mandatory requirements for federal facilities to inventory greenhouse gas (i.e. carbon dioxide) sources.
- Department of Energy's Voluntary Reporting of Greenhouse Gases (1605(b)) Program

10. Potential Environmental Impacts:

Potential environmental impacts associated with NIEHS carbon dioxide emissions are expected to be minimal

11. ACTION PLAN:

Targets/Milestones to Meet Initiative Objective(s)	Expected Frequency / Completion Date	Responsibility
List all carbon dioxide sources on the NIEHS Campus	1 st Quarter 2008	Environmental Compliance Officer
Research and develop emission factors	2 nd Quarter 2008	Environmental Compliance Officer
Calculate emissions from NIEHS sources	4 th Quarter 2008	Environmental Compliance Officer

12. OPERATIONAL CONTROLS

Activity	Controls	Responsible Persons	Monitoring	Records	Comments
	NCDAQ Air Permit	ORF/FOB NVT	Visible emissions	Fuel use	
Combustion of fossil		Project Officer	evaluation	records	
fuels in stationary sources such as	Manufacturer	NVT Operations Supervisor	Fuel oil certifications	Incinerator data	
boilers, emergency	recommended procedures	NVT Utility Operators	Continuously	acquisition	
generators, and	procedures	HSB Environmental	monitored	systems	
incinerators		Compliance Officer	parameters	-,	
	EPCRA Tier 2	ORF/FOB Building	Storage tank and	Delivery	
Breathing loss and		Engineers	cylinder pressure	records	
other leaks of CO2	Manufacturer		gauges		
from storage vessels	recommended				
such as tanks and gas cylinders	procedures and vendor guidelines				
Cylliluers	NCDAQ regulations	ASAB Transportation	Product inventory	E85 fuel	
Combustion of fossil	covering Stage II	Specialist	1 Toddot inventory	delivery records	
fuels associated with	vapor recovery			GSA fuel usage	

fleet vehicle operations	systems on the E85 storage tank Manufacturer recommended	Environmental Compliance Offi	cer		database		
	procedures						
13. RELEVANT DO	CUMENT(S)						
Document Name		Location		Document Custodian			
NCDAQ Air Quality Permit		',		Environmental Compliance Officer			
CO2 Emission Factors				Environmental Compliance Officer			
14. EMS REVIEW							
Name: William H	K. Steinmetz	Sig	gnature) :			Date: 12/04/2007