



## INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R / 11-09)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management  
Office of Pollution Prevention and Technical Assistance  
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MC 64-00, Room IGCS W041  
Indianapolis, IN 46204-2251  
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**INSTRUCTIONS:** Please use this annual report form if you are a member of the Indiana Environmental Stewardship Program (ESP). Your annual performance report should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, FAX, mail, or e-mail the report to IDEM. If you have any questions, please contact the ESP program manager at 1-800-988-7901.

The Indiana ESP annual performance report should demonstrate progress toward objectives and targets AND certify ESP requirements continue to be achieved. Your annual performance report should cover the previous twelve (12) month calendar year and include the status of projects committed to in your facility's original ESP application, results of completed projects, and assurance that an annual internal environmental management system audit was conducted by your facility. Indiana ESP facilities must submit this annual performance report by April 1<sup>st</sup> of every year, for each calendar year in which the entity has been a member for at least three (3) full months.

Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the Annual Performance Report publicly available, which may include posting all portions of your report on the Indiana ESP Web site.

### SECTION A

#### FACILITY INFORMATION

Name of facility  
Cummins Fuel Systems Plant

Name of parent company (If applicable)  
Cummins Inc.

Street address (number and street)  
1460 National Road MC 41622

City / State / ZIP code  
Columbus, IN 47201

Facility/Company Web site  
[www.cummins.com](http://www.cummins.com)

#### CONTACT INFORMATION

Contact name (Mr. / Mrs. / Ms. / Dr.)  
Mr. Kyle Kerber

Title  
Health, Safety, & Environmental Manager

Telephone number  
812-374-6636

FAX number  
812-377-2041

E-mail address  
[kyle.e.kerber@cummins.com](mailto:kyle.e.kerber@cummins.com)

Mailing address (if different from facility address)

City / State / ZIP Code

#### REPORTING PERIOD

Reporting period dates (month, day, year)  
1/1/2009 - 12/31/2009

Is this the third Annual Performance Report of your membership term?

☐ Yes—If yes, answer question 1b.

☒ No—If no, skip to the "Change in Information" section of this report.

Do you wish to renew your Indiana Environmental Stewardship Program membership?

☐ Yes—If yes, please complete all sections of this annual report.

☐ No—If no, please complete all sections of this annual report except for Section D.

#### CHANGE IN INFORMATION

In your ESP application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any changes or additions to your facility's list of products or activities?

☐ Yes

☒ No

If yes, please describe them:

**SECTION B****ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT****Why do we need this information?**

IDEM needs information on the performance and assessment of your Environmental Management System (EMS).

**What do you need to do?**

Please summarize your facility's EMS assessments. Attach additional documents if more space is needed.

Is your facility currently registered to a recognized third-party EMS standard?

☒ Yes—If yes, when was an EMS audit or other assessment last conducted by an independent third party at your facility?  
 Type (e.g., ISO 14001 certification) ISO 14001 Certification  
 Scope of the audit Entire EMS  
 Month / year January 2007

☐ No—If no, when was an internal or corporate EMS audit last conducted at your facility?  
 Scope of the audit \_\_\_\_\_  
 Month / year \_\_\_\_\_

When did your facility last conduct an internal or corporate environmental compliance audit? Do not include inspections or site visits by regulatory organizations.  
 Scope of the audit ISO 14001 Internal Audit, Entire EMS  
 Month(s) / Year(s) December 2009  
 Who conducted the audit(s) (e.g., facility staff, corporate, third party) Certified auditors from other Cummins sites

(Optional) Please describe any other audits that were conducted at your facility. Environmental Compliance Audit - November 2009

Has your facility corrected all instances of potential environmental non-compliance and EMS non-conformance identified during your audits and other assessments?

☒ Yes—If yes, briefly summarize corrective actions taken and other improvements made as a result of your EMS assessment(s) or compliance audit(s).  
CAR-FSB-1343 Creating Ozone Depleting Substances tracking program.  
CAR-FSB-1342 Increased training on Universal Waste guidelines.  
CAR-FSB-1340 Completed NESHAP for plating process within the plant.

☐ No—If no, please explain your plans to correct these instances.  
CAR-FSB-1335 Ensure annual approval of O&T's by site management.  
CAR-FSB-1336 Implement competency determination quizzes throughout site.

☐ No such instances identified.

Explain the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the EMS effective? What changes, if any, have been made to your facility's emergency or contingency plans? The site has had occasional small chemical spills and releases within the plant. All spills and releases were handled efficiently and effectively, per the site's emergency/contingency plans.

When was the last Senior Management review of your EMS completed?  
 Month / Year January 2010  
 Who headed the review? Name and title Paul Schappler, Director of Quality

When did your facility last conduct a systematic identification or review of your environmental aspects?  
 Month/Year December 2009 - Ranked several new activities/aspects.  
February/March 2010 - Reviewing aspects/activities with HSEMS cross-functional team.

(Optional) Please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as an Environmental Performance Initiative in Section C. You may limit the summary to environmental aspects that are *significant* and towards which *progress* has been made during the last calendar year. Attach additional sheets as necessary.

Environmental aspect	Progress made this year (e.g., quantitative or qualitative improvements, activities conducted)
<i>Refer to O&amp;T Attachment</i>	

**SECTION C****ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS****Why do we need this information?**

Facilities need to share the results of the environmental improvement initiative that was pursued during the reporting period.

**What do you need to do?**

Summarize your facility's progress on achieving the initiative you identified in the application or last year's Annual Performance Report.

Category <u>Energy Use</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Indicator <u>Total (non-transportation) energy use</u>				
Calendar year	2008	2009 Estimate	2009 Actual	\$478,625
Actual quantity (per year)	50,052,555	43,025,555	42,295,263	
Normalized quantity (per year)	23.608	25.625	25.191	
Basis for your normalizing factor (e.g., gallons of paint produced)	BWS Hours (budgeted work standard)			

Measurement unit (e.g., pounds)	Kwh
Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress. Cummins partnered with Duke Energy to perform a complete lighting changout and to upgrade HVAC controls systems.	
Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).	
(Optional) If your facility has experienced continued results for environmental improvement initiatives pursued in past years of ESP membership, please share those results here.	

## SECTION D

## ENVIRONMENTAL IMPROVEMENT INITIATIVES

### Why do we need this information?

Facilities need to show they are committed to improving their environmental performance.

### What do you need to do?

Identify your facility's next environmental improvement initiative. Refer to the Environmental Performance Table and answer the following questions.

What **category** have you selected from the Environmental Performance Table? Waste

What **indicator** have you selected from the Environmental Performance Table? Non-hazardous waste management

All measurements should represent the performance level for the indicator across the entire facility. For many indicators, you may choose to focus your initiative on a specific subset of the indicator (e.g., a specific material, process, VOC, group of toxic air emissions, or particular waste component). Does your initiative include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific process, substance, or component (e.g., ethane, cardboard)?

☐ All

☒ Specific

If your initiative is specific to a substance or component, please provide additional detail on your indicator (e.g., specific chemical to be reduced, specific waste component). Non-haz absorbents, filter paper, and ebbco filter socks

What activities or process changes do you plan to undertake at your facility to accomplish your initiative (e.g., technology changes in a particular process line, employee training)? Change in process from landfilling to Waste-to-Energy

Does this initiative address a significant aspect in your EMS?

☐ Yes

☒ No—please explain why you believe this indicator should be included as an environmental improvement initiative: This initiative involves collection of non-haz waste in a roll-off box rather than drums. The waste is to be sent for Waste-to-Energy incineration rather than to the landfill. Landfill reduction an important initiative of Cummins Inc.

Are you subject to Federal, State, tribal, or local regulatory requirements for this indicator?

☐ Yes—please explain how your initiative exceeds regulatory requirements: \_\_\_\_\_

☒ No

**Stop!** If the category listed in Question 1a is Energy Use, Waste, or Air Emissions for Total Greenhouse Gases, please skip Questions 4a – 4b below and turn to Appendix 1 to complete the questions pertaining to the category you listed in Question 1a. After completing the respective table in Appendix 1, return to this section and complete questions 5 and 6. Otherwise, continue answering questions 4-6 below.

What units are you using to quantify this indicator? \_\_\_\_\_

List the baseline annual quantity of the indicator and the annual quantity you are committing to achieve by the future year.

\_\_\_\_\_ Baseline quantity Year \_\_\_\_\_

\_\_\_\_\_ Future year quantity (not including production) Year \_\_\_\_\_

Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

☐ Normalized goal (i.e., indexed to level of business in baseline year)

☒ Absolute goal (i.e., demonstrates improvement even if production increases)

Whether your goal is absolute or normalized, you need to provide normalizing factors and normalized quantities in your annual performance reports. Please briefly describe your basis for normalizing. Examples of potential normalizing basis include: gallons of paint produced, square feet of circuit boards sold, number of patients seen, dollars of sales adjusted for inflation, or number of employees (for R&D and administrative sites only).

Basis for normalizing is BWS (budgeted work standard) hours.

## SECTION E

## PUBLIC OUTREACH AND PERFORMANCE REPORTING

### Why do we need this information?

IDEM needs to know how environmental information was shared with the public.

### What do you need to do?

Describe how the facility has shared and plans to share environmental information.

Please briefly describe the activities that your facility conducted during this reporting period to interact with the community on environmental issues and to report publicly on its environmental performance.

We held our annual Earth Day event in April 2009 where we passed out tree sapplings to be planted within the community. We also conducted 2 adopt-a-road cleanup days in 2009.

Please indicate which of the following methods your facility plans to use to make its ESP Annual Performance Report available to the public. Please check as many as appropriate.

☒ Web site (<http://www.cummins.com>) ☐ Open house ☐ Meetings ☐ Press releases ☐ Community advisory panel

☒ Other IDEM

## SECTION F

## ADDITIONAL INFORMATION

### Why do we need this information?

This information will help IDEM to effectively manage the Environmental Stewardship Program.

### What do you need to do?

Answer the questions as completely as possible.

In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve months.  
N/A

Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.

Our facility has not yet taken advantage of any ESP incentives.

If your facility was not registered to the ISO 14001 standard prior to becoming an ESP member, has ESP helped you to pursue registration? If so, how has ESP been instrumental in achieving registration?

N/A

## CERTIFICATION AND PLEDGE

On behalf of (name of facility) Cummins Fuel Systems Plant

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, Cummins Fuel Systems, commit to maintaining the principles and goals outlined in our Environmental Management System for our facility's Indiana Environmental Stewardship Program status. We agree to strive for full compliance with all regulations promulgated by the U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Stewardship Program and to share our success stories with other facilities. We understand that the Annual Performance Report must be submitted to IDEM by April 1<sup>st</sup> of each year and that we must reapply to the Indiana Environmental Stewardship Program every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.

Signature

Title

Date (month, day, year)

Printed signature

Please mail, fax, or e-mail your completed Environmental Stewardship Program Annual Performance Report to:

IDEM-OPPTA  
ESP Program Manager  
MC 64-00, Room IGCS W041  
100 North Senate Avenue  
Indianapolis, IN 46204-2251

FAX: 317-233-5627  
E-mail: [esp@idem.in.gov](mailto:esp@idem.in.gov)





**Energy use - non-transportation**

In the table below, please enter the amount of energy that you currently use and that you intend to use in your future reporting year. Break the energy use down by fuel type. Please note that you need only complete those lines that are relevant to your facility. If all of your energy is purchased from a local electricity generator, you may only need to complete the first line. If the facility uses natural gas, please be sure to complete the appropriate line (natural gas is typically combusted on site so it is listed in the "onsite" section). After completing the table, return to question 5 and complete the remaining application questions.

Is the goal of your energy use commitment to:

☐ Reduce hazardous waste ☐ Improve waste management methods ☐ Combination of both strategies

How much energy of each type does your facility use?

		Baseline year 20	Future year 20	Units
Energy Generated Off-Site	Electricity			
	Steam			
	<b>Total energy generated off-site</b>			
Sources of Energy Generated On-Site	Coal			
	Natural gas			
	Crude oil			
	Fuel oil			
	Diesel			
	Propane / LPG			
	Gasoline			
	Hydrogen powered fuel cells			
	Natural gas / methane powered fuel cells			
	Biomass			
	Solar			
	Wind			
	Landfill gas			
	Geothermal			
	Hydroelectric			
	Tire derived fuel			
	Other fuel or source Specify: _____			
	<b>Total energy generated on-site</b>			
<b>Total renewable energy use</b>				
<b>Total non-renewable energy use</b>				
<b>Total energy use</b>				
<b>Metric tons of CO2 equivalents</b>				
<b>Metric tons of CO2 equivalents</b>				
<b>Offset through purchases of electricity from renewable off-site sources</b>				
<b>Net metric tons of CO2 equivalents</b>				

**Waste - Non-hazardous waste generation**

In the table below, please enter your facility's amount of non-hazardous waste, broken down by waste management method. Please enter both the amounts you manage currently and that you intend to manage in your future reporting year. "Waste" is defined as all materials sent off-site that are neither product nor product packaging. After completing the table, return to question 4 and complete the remaining application questions.

Is the goal of your non-hazardous waste commitment to:

☐ Reduce hazardous waste ☐ Improve waste management methods ☒ Combination of both strategies

How much of your waste is handled using each management method?

Method of waste managed	Baseline year 2009	Future year 2010	Units
Landfill	139,100	0	lbs
Incineration	75,100	120,000	lbs
Reused/recycled off-site			
Other management - specify: _____			
<b>Total non-hazardous waste</b>			

**Waste - Hazardous waste generation**

In the table below, please enter your facility's amount of hazardous waste, broken down by waste management method. Please enter both the amounts that you manage currently and that you intend to manage in your future reporting year. Include all hazardous waste that is treated on-site or sent off-site. After completing the table, return to question 4 and complete the remaining application questions.

Is the goal of your hazardous waste commitment to:

☐ Reduce hazardous waste ☐ Improve waste management methods ☐ Combination of both strategies

How much of your hazardous waste is handled using each management method?

Method of waste managed	Baseline year 20____	Future year 20____	Units
Landfill			
Incineration			
Reused/recycled off-site			
Treated on-site			
Other management specify: _____			
<b>Total hazardous waste</b>			

**Air emissions – Total greenhouse gases**

In the table below, please enter your facility's amount of greenhouse gases, broken down by process and source. Please enter both the amounts that you manage currently and that you intend to manage in your future reporting year. After completing the table, return to question 4 and complete the remaining application questions.

Is the goal of your Total Greenhouse Gases commitment to:

☐ Reduce energy use ☐ Reduce process-related emissions ☐ Combination of both strategies

How much greenhouse gas does your facility emit from each source?

Source		Baseline year 20____	Future year 20____	Units
Direct Emissions	Stationary combustion			
	Mobile sources			
	Refrigeration/AC equipment use			
	Process/Fugitive Specify source: _____			
	Process/Fugitive Specify source: _____			
	Process/Fugitive Specify source: _____			
	<b>Total direct emissions Process/Fugitive</b>			
Indirect Emissions	Purchased electricity			
	Purchased steam			
	Purchased hot water			
	<b>Total indirect emissions</b>			
Optional Indirect Emissions	Other Specify source: _____			
	Other Specify source: _____			
	Other Specify source: _____			
	<b>Total optional indirect emissions</b>			
Offsets	Offsets Specify source: _____			
	Offsets Specify source: _____			
	Offsets Specify source: _____			
	<b>Total reductions from offsets</b>			
	<b>Total emissions less offsets</b>			
Supplemental Information	Total CFC			
	Total HCFC			
	Total stationary combustion – biomass CO <sub>2</sub>			
	Total mobile sources – biomass CO <sub>2</sub>			
	Electricity trading transactions- electricity purchase for resale			

**Cummins Inc. - FSP/GOB**  
**Environmental Management System**  
**Objectives and Targets Matrix**  
**(Fuel Systems Business)**

Facility Name & Address	EMS Contact	Objective Description	Target Description	Responsible Person	Completion Date	Current Status	Identify Related Significant Aspect (or NA)
1 FSP/GOB 1460 National Road Columbus, IN 47201	Kyle Kerber	Improve Stormwater Quality	Update the storm and sanitary drawings at the facility. Include the drawings into the SPCC and SWP3, if needed, for training (especially ERT). Improve stormwater training of contractors that come on-site. Investigate chemicals used for lawn care. Make sure Englewood is using env friendly chemicals.	Matt Alsbaugh, Terry Graue HSE Team, CFT Matt Alsbaugh, Doug Scheidt	Q4 2009 Ongoing Q4 2009	Have begun mapping the storm and sanitary sewer lines at the facility. Working on getting maps from Terry Graue also. Trainings in progress Completed	Storm Water
2 FSP/GOB 1460 National Road Columbus, IN 47201	Kyle Kerber	Maintain/Improve recycling - reduce solid waste.	Explore the option of returning packaging to suppliers for re-use. Increase loose plastic recycling volume by 10% in 2009 Increase plastic caps recycling volume by 5% in 2009 Increase plastic trays recycling by 10% in 2009 Investigate recycling polystyrene molded white packaging Investigate and implement phone book recycling Landfill visit to examine our solid waste content Investigate and implement grinding wheel recycling program. Investigate and implement carbide recycling program. Investigate glass recycling in 2009	Matt Alsbaugh, CFT Matt Alsbaugh Matt Alsbaugh CFT Matt Alsbaugh CFT CFT CFT CFT	Q4 2009 Q4 2009 Q4 2009 Q4 2009 Q3 2009 Q2 2009 Q2 2010 Q3 2009 Q4 2009 Q4 2009	Need to work with Purchasing Dept Completed Completed Completed Completed Completed Carry-over into 2010 Completed Carry-over into 2010 Carry-over into 2010	Waste Reduction  Recycling
3 FSP/GOB 1460 National Road Columbus, IN 47201	Kyle Kerber	Investigate wastewater reduction options.	Investigate adding Posalux discharge to city WW discharge instead of sending it to AST's. Investigate adding Central Wash discharge to city WW discharge instead of sending it to AST's. Investigate adding Match Wash discharge to city WW discharge instead of sending it to AST's. Increase volume of recycled oil by 10% in 2009	Matt Alsbaugh Matt Alsbaugh Matt Alsbaugh Matt Alsbaugh, EWIE	Q4 2009 Q4 2009 Q1 2010 Q 4 2009	Performed 30-day sampling event for CCU. Need to determine discharge point in the facility. Trial Completed Carry-over into 2010 Carry-over into 2010	Waste Water Discharge
4 FSP/GOB 1460 National Road Columbus, IN 47201	Kyle Kerber	Explore opportunities to reduce electricity consumption and reductions in GHG.	Track energy consumption and GHG reductions in 2009 since the lighting changeout project. Update controls in GOB HVAC system in 2009. Update controls and install VFDs on the FSP shop air handler units in 2009. Update controls and install VFDs on the boiler system/hot water pumps in 2009.	Matt Alsbaugh, Laura Jones, Phil Devinney Laura Jones Laura Jones Laura Jones	Q4 2009 Q4 2009 Q4 2009 Q4 2009	Completed. Carry-over into 2010 Completed Completed Completed	Electricity Consumption and GHG emission Electricity Consumption and GHG emission Electricity Consumption and GHG emission Electricity Consumption and GHG emission
5 FSP/GOB 1460 National Road Columbus, IN 47201	Kyle Kerber	Reduce Aerosol Hazardous Waste Generation by 10%	Six Sigma project to find bulk replacement for CRC and Mr Jinx in 2009.	Kyle Kerber, Josh Halm	Q3 2009	Refillable containers being distributed for use as of July 09.	Spills/Releases/ Waste