



# INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R3 / 1-11)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management  
Office of Pollution Prevention and Technical Assistance

MC 64-00, Room IGCS W041

100 North Senate Avenue

Indianapolis, IN 46204-2251

Telephone: (800) 988-7901

FAX: (317) 233-5627

E-mail: [esp@idem.IN.gov](mailto:esp@idem.IN.gov)

Please use this form if you are a member of the Indiana Environmental Stewardship Program (ESP) to report on progress toward objectives and targets AND certify ESP requirements continue to be achieved. Indiana ESP facilities must submit an Annual Performance Report (APR) 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. Section C of your APR should be signed by your ISO 14001:2004 EMS Lead Auditor. Your APR should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, e-mail the APR to IDEM at [esp@idem.IN.gov](mailto:esp@idem.IN.gov). Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the APR publicly available, which may include posting all portions of your report on the Indiana ESP Web site. If you have any questions, please contact IDEM at [esp@idem.IN.gov](mailto:esp@idem.IN.gov) or (800) 988-7901.

## SECTION A

### FACILITY INFORMATION

Name of facility

Cummins Fuel Systems Columbus

Name of parent company (if applicable)

Cummins, Inc.

Street address (number and street)

1460 National Road

City / State / ZIP code

Columbus, IN 47201

Web site of Facility/Company

[www.cummins.com](http://www.cummins.com)

### CONTACT INFORMATION

Name of Contact (Mr. / Mrs. / Ms. / Dr.)

Elizabeth Hoegeman

Title

Plant Manager

Telephone number

812-374-7900

FAX number

E-mail address

[elizabeth.hoegeman@cummins.com](mailto:elizabeth.hoegeman@cummins.com)

Mailing address (if different from facility address)

City / State / ZIP Code

### REPORTING PERIOD

Reporting period dates (month, day, year)

1/1/2010 - 12/31/2010

1a. 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.

1b. 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 F.

### 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—If yes, please describe them:

☒ No

## SECTION B

### 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. Annual Earth Day Event, Adopt-A-Road cleanup events, Environmental project with local school

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

☐ Other

## SECTION C

## ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT

## Why do we need this information?

Facilities need to have implemented an EMS that meets certain criteria and use an ISO 14001:2004 EMS Lead Auditor at least every 36 months to assess the EMS.

## What do you need to do?

Answer the following questions about your EMS.

1. What is the most recent date that an ISO 14001:2004 EMS Lead Auditor performed an EMS assessment at your facility? August 2010

2. Is the date of the most recent EMS assessment performed by an ISO 14001:2004 EMS Lead Auditor within the past 36 months?

☒ Yes—If yes, skip to Question 3.

☐ No—If no, please have your ISO 14001:2004 EMS Lead Auditor complete and sign the following checklist, indicating whether or not your EMS meets the listed criteria for ESP membership:

- ☐ Yes ☐ No Evidence of senior management support, commitment, and approval.
- ☐ Yes ☐ No A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.
- ☐ Yes ☐ No Identification of the environmental aspects at the entity.
- ☐ Yes ☐ No Prioritization of the environmental aspects and a determination of those aspects deemed significant considering, at the minimum, environmental impacts and applicable laws and regulations.
- ☐ Yes ☐ No Established priorities, and environmental objectives and targets for continuous improvement in environmental performance and for ensuring compliance with applicable environmental laws, regulations, and permit conditions. Objectives and targets must go beyond current legal requirements and specify the environmental media, types of pollution to be prevented or reduced, implementation activities, and projected time frames.
- ☐ Yes ☐ No An established community outreach mechanism that includes identifying and responding to community concerns; informing the community of important matters that affect the community; and reporting on the EMS, including reporting to the public on the environmental policy and significant aspects.
- ☐ Yes ☐ No Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services and modifications of existing processes.
- ☐ Yes ☐ No Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and ensuring compliance with applicable environmental laws, regulations, and permit conditions.
- ☐ Yes ☐ No Documentation of the implementation procedures and the results of implementation.
- ☐ Yes ☐ No Appropriate written EMS procedures.
- ☐ Yes ☐ No An annual evaluation of the EMS with written results provided to senior management and affected employees.

Signature of ISO 14001:2004 EMS Lead Auditor \_\_\_\_\_

Date (month, day, year) \_\_\_\_\_

3. Were any deficiencies found during the most recent EMS assessment?

☐ No—If no, skip to Question 4.

☒ Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency:

4. Name, title, and organization of ISO 14001:2004 EMS Lead Auditor that conducted the most recent EMS assessment: Scott Keen Cummins Corp Envl

5. What type of protocol was used to perform the independent EMS assessment?

- ☐ ISO 14001:2004 Certified audit
- ☐ Responsible Care EMS audit
- ☐ Responsible Care 14001 audit
- ☐ ESP Independent Assessment Protocol
- ☒ Other (please specify): ISO 14001 Corporate Internal Audit

6. Is the EMS certified to a recognized standard?

☒ Yes—If yes, what standard does the EMS follow (please provide a copy of the most recent certificate)?

- ☒ ISO 14001:2004
- ☐ Responsible Care EMS
- ☐ Responsible Care 14001

☐ No.

7. When was the last Senior Management review of your EMS completed?

Month / Year: March 2011

Who headed the review (name and title)? Paul Schappler, Director of Quality

8. 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 compliance audit: Environmental Compliance

Month(s) / Year(s): August 2010

Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Compliance EHS (third party)

9. 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?

Various in-plant spills and releases. Internal emergency response technicians (ERT's) responded to clean up the spills.

10. 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).  
EPCRA 313 - Form R calculations are underway as the correction.  
DOT training - Training has been conducted as the correction.

☐ No—If no, please explain your plans to correct these instances.

☐ No such instances identified.

11. (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 E. 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)
Refer to attached Objectives/Targets table	

**SECTION D** **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.

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

2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.  
Not to date.

3. 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?  
NA

**SECTION E** **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 APR.

Category: <u>Waste</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Indicator: <u>Landfill Reduction</u>				
Calendar year	2009	2010 Estimate	2010 Actual	Approx \$85,000
Actual quantity (per year)	139,100	0	36,320	
Normalized quantity (per year)	0.083	0	0.022	
Basis for your normalizing factor (e.g., gallons of paint produced)	BWS Hours (budgeted work standard)			
Measurement unit (e.g., pounds)	Pounds			

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.  
We made a process change from landfilling our absorbents to incinerating them as fuel at a cement kiln.

Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).  
Governor's Awards Program, Cummins Best Practices Awards

(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 F

## ENVIRONMENTAL IMPROVEMENT INITIATIVE

Why do we need this information?

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

What do you need to do?  
Refer to the Environmental Performance Table and answer the following questions.

1. Select the appropriate boxes in the following table to indicate the category and indicator(s) that represents the environmental improvement initiative selected by your facility. For the category and indicator selected, list the baseline year (e.g., 2009) and the future year (e.g., 2010). Next, list the baseline annual quantity (e.g., 5 tons) and future annual quantity (e.g., 2 tons) you are committing to achieve by the end of the future year.

Category	Indicator	Baseline Year 20__	Future Year 20__	Unit
<input type="checkbox"/> Material Procurement	<input type="checkbox"/> Recycled content			Pounds, tons
<input type="checkbox"/> Suppliers' Environmental Performance	<input type="checkbox"/> Hazardous/toxic components			Pounds, tons
	<input type="checkbox"/> Specify indicator: _____			As specified for the particular indicator
<input type="checkbox"/> Material Use	<input type="checkbox"/> Materials used			Pounds, tons
	<input type="checkbox"/> Hazardous materials used			Pounds, tons
	<input type="checkbox"/> Ozone depleting substances used			CFC-11 equivalent pounds
<input checked="" type="checkbox"/> Water Use	<input type="checkbox"/> Total packaging materials used			Pounds, tons
	<input checked="" type="checkbox"/> Total water used	27,060,000	25,000,000	Gallons
<input type="checkbox"/> Energy Use	<input type="checkbox"/> Electricity			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Steam			kWh / MWh, gallons, ft <sup>3</sup>
	<input type="checkbox"/> Natural gas			Btu / MMBtu
	<input type="checkbox"/> Diesel			Gallons
	<input type="checkbox"/> Propane / LPG			Btu / MMBtu, gallons
	<input type="checkbox"/> Gasoline			Gallons
	<input type="checkbox"/> Solar			kWh / MWh
	<input type="checkbox"/> Wind			kWh / MWh
	<input type="checkbox"/> Landfill gas			Btu / MMBtu
	<input type="checkbox"/> Combined heat and power			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Other: _____			
<input type="checkbox"/> Land and Habitat	<input type="checkbox"/> Land and habitat conservation			Square feet, acres
	<input type="checkbox"/> Community land revitalization			Square feet, acres
<input type="checkbox"/> Air Emissions	<input type="checkbox"/> Total GHGs			MTCO <sub>2</sub> E
	<input type="checkbox"/> VOCs			Pounds, tons
	<input type="checkbox"/> NOx, SOx, PM <sub>2.5</sub> , PM <sub>10</sub> , or CO			Pounds, tons
	<input type="checkbox"/> Air toxics			Pounds, tons
	<input type="checkbox"/> Odor			European Odour Units
	<input type="checkbox"/> Radiation			Curies, Becquerels
	<input type="checkbox"/> Dust			Pounds, tons
<input type="checkbox"/> Discharges to Water	<input type="checkbox"/> COD or BOD			Pounds, tons
	<input type="checkbox"/> Toxics			Pounds, tons
	<input type="checkbox"/> Total suspended solids			Pounds, tons
	<input type="checkbox"/> Nutrients			Pounds, tons
	<input type="checkbox"/> Sediment from runoff			Pounds, tons of N or P
	<input type="checkbox"/> Pathogens			Pounds, tons
<input type="checkbox"/> Non-hazardous Waste	<input type="checkbox"/> Landfill			MPN/ml, CFU/ml
<input type="checkbox"/> Hazardous Waste	<input type="checkbox"/> Incineration			Pounds, tons
	<input type="checkbox"/> Reused/recycled off-site			Pounds, tons
	<input type="checkbox"/> Other: _____			Pounds, tons, gallons
<input type="checkbox"/> Noise	<input type="checkbox"/> Noise			Pounds, tons, gallons
<input type="checkbox"/> Vibration	<input type="checkbox"/> Vibration			dBA
<input type="checkbox"/> Products	<input type="checkbox"/> Expected lifetime energy use			Inches per second
	<input type="checkbox"/> Expected lifetime water use			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Expected lifetime waste to air, water, or land from product use			Gallons
	<input type="checkbox"/> Waste to air, water, or land from disposal or recovery			Pounds, tons
				Pounds, tons

2. 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)? We have plans to implement new technology for cooling tower which will reduce water use for HVAC purposes.

Does this initiative address a significant aspect in your EMS?

☐ Yes

☒ No—If no, please explain why you believe this indicator should be included as an environmental improvement initiative:

# CERTIFICATION AND PLEDGE

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

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 Columbus, 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

*Elizabeth Hoegeman*

Title

Plant Manager

Date (month, day, year)

*3-29-11*

Printed signature

*Elizabeth Hoegeman*

Objective Description	Target Description	Responsible Person	Completion Date	Current Status	Identify Related Significant Aspect or Related Hazard Risk (or NA)	Objective Level
Improve Stormwater Quality	Improve stormwater training of contractors that come on-site.	HSE Team, CFT	Q4 2010	Training is in progress (American, NEI, EWIE, Best Way)		
	Identify and mark all stormwater drains with color-coding.	HSE Team, CFT, CFO	Q4 2010	Coordinating with Phil Deviney of CFO, looking at drain labels.	Storm Water	Site
	Increase awareness on condition storage of drums/containers and equipment.	HSE Team, CFT	Q4 2010	EWIE has been trained. GM is aware of the potential environmental impact. FAST Team taking over the process from GM in August. FAST team will need training.		
	Utilize Waste-to-Energy to reduce landfilled waste volumes - target 25% reduction in landfilled waste.	HSE	Q4 2010	Q1: 51,000 Pounds (in drums). Q2: Switched process to roll-off box - currently still collecting.	Landfill Reduction	Site
Maintain/improve recycling - reduce solid waste.	Highlight and communicate a monthly recycling topic for the Site	CFT	Q4 2010	In progress.		
	Benchmark recycling of 2 other facilities	CFT	Q4 2010	Targeting Toyota Industrial and Honda.		
	Identify 3 scenarios to implement plastic recycling	CFT	Q4 2010	Collect PET Plastics (plastic caps), Gear Pumps (loose plastic), HDXPI Needles & Sleeves (plastic trays and loose plastic), XPI Swabs (loose plastic), XPI, Empty Needles (loose plastic)	Waste Reduction / Recycling	Site
	Landfill visit to examine our solid waste content	CFT	Q2 2010	Completed May 2010		
Investigate wastewater reduction options.	Investigate and implement carbide recycling program	CFT	Q4 2010	Currently setting up supplier (Sandvik) to collect/recycle carbide.		
	Improve GOR recycling by conducting at least 2 "cleanup days"	CFT	Q4 2010	Currently coordinating with Stephanie Richter in the GOR for a cleanup day.		
	Investigate adding March Wash discharge to city WW discharge instead of sending it to AST's.	Matt Alsbaugh	Q4 2010	Coordinating with CCU to run trial.		
	Investigate adding Millipore Lab rinse process to city WW discharge instead of AST's	Matt Alsbaugh, Millipore Lab, Jeff Kuylenstierna	Q3 2010	Conducted trial, oil & grease too high to discharge without treatment system. Volume too low to justify SSS treatment system.	Waste Water Discharge	Site
Explore opportunities to reduce electricity consumption and GHG emission.	Investigate adding Surpan in Collect Corps dept discharge to city WW discharge instead of sending it to AST's	Matt Alsbaugh	Q3 2010	Investigation/discussion with operator - system generates very little WW		
	6 Sigma project to examine process WW reduction options	Ilona Bismann, Matt Alsbaugh	Q4 2010	Process maps Q&A, DMECA - complete. Analysis of WW generating processes - complete. Currently conducting more WW metering		
	Increase volume of recycled oil by 10% in 2010	Matt Alsbaugh, EWIE, GM	Q4 2010	Collect oil into 55-gal drums and other rates for recycling instead of pumping it into the AST's.		
	Participate in Energy Leaders Program at the site	HSE, Laura Jones, Phil Deviney	Q3 2010	Energy Leaders training completed in July	Electricity Consumption and GHG emission	Site
Water Conservation	Post tags with energy use and GHG emissions info on all equipment on shop floor	HSE, Laura Jones, Phil Deviney	Q4 2010	Began project on July 20th - approx. 70% complete		
	Complete a water balance survey for the Site (evaluate water conservation options)	Matt Alsbaugh, Ilona Bismann, DANCO	Q3 2010	Started survey in July. Survey approx. 75% complete	Water Conservation	Site