



## 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		Metaldyne SinterForged, LLC	
Name of parent company (if applicable)		Metaldyne, LLC	
Street address (number and street)		3100 N. State Hwy 3	
City / State / ZIP code		North Vernon, IN 47265	
Web site of Facility/Company		<a href="http://www.metaldyne.com">www.metaldyne.com</a>	
CONTACT INFORMATION			
Name of Contact (Mr. / Mrs. / Ms. / Dr.)		Mr. Jeff Gee	
Title		Environmental Coordinator / Facilities Group Leader (FMGL)	
Telephone number		812-346-0363	
FAX number		812-346-4970	
E-mail address		<a href="mailto:jeffgee@metaldyne.com">jeffgee@metaldyne.com</a>	
Mailing address (if different from facility address)			
City / State / ZIP Code			
REPORTING PERIOD			
Reporting period dates (month, day, year)			
1a. Is this the third Annual Performance Report of your membership term?			
<input checked="" type="checkbox"/> Yes—If yes, answer question 1b.			
<input type="checkbox"/> 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?			
<input checked="" type="checkbox"/> Yes—If yes, please complete all sections of this annual report.			
<input type="checkbox"/> 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?			
<input type="checkbox"/> Yes—If yes, please describe them:			
<input checked="" type="checkbox"/> No			
SECTION B		PUBLIC OUTREACH AND PERFORMANCE REPORTING	
Why do we need this information?		What do you need to do?	
IDEM needs to know how environmental information was shared with the public.		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 report publicly on its environmental performance. All Environmental communication is handled through the corporate website		to interact with the community on environmental issues and to	
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.			
<input type="checkbox"/> Web site ( <a href="http://www.">http://www.</a> )		<input type="checkbox"/> Open house <input type="checkbox"/> Meetings <input checked="" type="checkbox"/> Press releases <input type="checkbox"/> 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? 06-01-2011

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:

- |                              |                             |   |
|------------------------------|-----------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Evidence of senior management support, commitment, and approval.  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Identification of the environmental aspects at the entity.  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> 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.   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> 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. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> 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.  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services and modifications of existing processes.   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> 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.   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Documentation of the implementation procedures and the results of implementation.   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Appropriate written EMS procedures.   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> 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: Fraser Mackay, Client Mgr; BSI

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):

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: November 2012

Who headed the review (name and title)? Dave Tempest; Plant Manager



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: The continuing suitability of the EMS in meeting all required policies and procedures of the company and standards.  
 Month(s) / Year(s): December 2012  
 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Facility Staff

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?  
 None

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).  
☐ No—If no, please explain your plans to correct these instances. ☒ No such instances identified.

(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)
Recycling--wooden skids / pallets	Increased recycling by 44,095 pounds (~an additional 1,260 skids / pallets recycled)

**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.  
 Received a gold Environmental / Health / Safety flag from Corporate

2 Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.  
 None

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?  
 N/A

**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>Energy use</u> Indicator: <u>Electricity</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Calendar year	2010			\$19,270.67 for actual
Actual quantity (per year)	433,620		212,118	
Normalized quantity (per year)	409,997		212,537	
Basis for your normalizing factor (e.g., gallons of paint produced)	Installed 72 T5 High Outputs along with reusing 24 T8			\$17,179.02 for Normalized
Measurement unit (e.g., pounds)	kWh			

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.  
 See attached Progress Report

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 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.

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__	20__	Future Year 20__	20__	Unit
<input type="checkbox"/> Material Procurement	<input type="checkbox"/> Recycled content					Pounds, tons
	<input type="checkbox"/> Hazardous/toxic components					Pounds, tons
<input type="checkbox"/> Suppliers' Environmental Performance	<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 type="checkbox"/> Total packaging materials used					Pounds, tons
<input type="checkbox"/> Water Use	<input type="checkbox"/> Total water used					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 checked="" type="checkbox"/> Air Emissions	<input type="checkbox"/> Total GHGs					MTCO <sub>2</sub> E
	<input type="checkbox"/> VOCs					Pounds, tons
	<input type="checkbox"/> NO <sub>x</sub> , SO <sub>x</sub> , 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 checked="" type="checkbox"/> Dust		25,397 pounds		10,158 pounds	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 of N or P
	<input type="checkbox"/> Sediment from runoff					Pounds, tons
	<input type="checkbox"/> Pathogens					MPN/ml, CFU/ml
<input type="checkbox"/> Non-hazardous Waste	<input type="checkbox"/> Landfill					Pounds, tons
<input type="checkbox"/> Hazardous Waste	<input type="checkbox"/> Incineration					Pounds, tons
	<input type="checkbox"/> Reused/recycled off-site					Pounds, tons, gallons
	<input type="checkbox"/> Other: _____					Pounds, tons, gallons
<input type="checkbox"/> Noise	<input type="checkbox"/> Noise					dBA
<input type="checkbox"/> Vibration	<input type="checkbox"/> Vibration					Inches per second
<input type="checkbox"/> Products	<input type="checkbox"/> Expected lifetime energy use					kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Expected lifetime water use					Gallons
	<input type="checkbox"/> Expected lifetime waste to air, water, or land from product use					Pounds, tons
	<input type="checkbox"/> Waste to air, water, or land from disposal or recovery					Pounds, tons

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)? Replace the existing dust collectors with dust collectors that have HEPA after filters (see attached project sheet)

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) Metaldyne SinterForged Products, LLC

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, Metaldyne SinterForged Products, LLC, 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)

Plant Manager

03-28-13

Printed signature  
Dave Tempest

