



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
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100 North Senate Avenue
Indianapolis, IN 46204-2251
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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 1st 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. 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 or (800) 988-7901.

SECTION A		FACILITY INFORMATION	
Name of facility		Metaldyne BSM LLC	
Name of parent company (If applicable)		Metaldyne LLC	
Street address (number and street)		307 S. Tillotson Street	
City / State / ZIP code		Fremont IN 46737	
Web site of Facility/Company		www.metaldyne.com	
		CONTACT INFORMATION	
Name of Contact (Mr. / Mrs. / Ms. / Dr.)		Mr. Michael Ashmore	
Title		Plant Manager	
Telephone number		260-495-4833	
FAX number		260-495-1707	
E-mail address		mikeashmore@metaldyne.com	
Mailing address (if different from facility address)			
City / State / ZIP Code			
		REPORTING PERIOD	
Reporting period dates (month, day, year)		Annual	
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? 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. Newspaper release, local industry guild.			
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 (http://www . _____) <input type="checkbox"/> Open house <input type="checkbox"/> Meetings <input type="checkbox"/> Press releases <input checked="" type="checkbox"/> Other <u>Lobby PowerPoint Presentation</u>			

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? May 1-2, 2012

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: _____

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 12, 2012

Who headed the review (name and title)? Julie Carmicheal, HR Manager/EMR

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: EMS Audit - Complete System
 Month(s) / Year(s): October 17, 2012
 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Corporate Internal Audit Team

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 reported this year

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.

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)

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.
 Again in 2012 we achieved the highest level of recognition for our overall plant safety, health and environmental compliance for Metaldyne corporate-wide..

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

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?

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>Hazardous/ Non-Hazardous Waste</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Indicator: <u>Reused/Recycled offsite</u>				
Calendar year <u>2011/2012</u>	151/4895	75/2400	0/0	\$5789/\$25600
Actual quantity (per year)				
Normalized quantity (per year)				
Basis for your normalizing factor (e.g., gallons of paint produced)	<u>disposal quantities annually</u>			
Measurement unit (e.g., pounds)	<u>gallons</u>			

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.
 Eliminated use of aerosol propelled products in facility. Changed disposal method of absorbents from landfill to waste to energy process.

Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).
 n/a

(Optional) If your facility has experienced continued results for environmental improvement initiatives pursued in past years of ESP membership, please share those results here.
 Improved lighting, water use reduction, reduction in noise on plant floor

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 2012	Future Year 2013	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 checked="" type="checkbox"/> Energy Use	<input checked="" type="checkbox"/> Electricity	7,533,348	7,156,681	kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Steam			kWh / MWh, gallons, ft ³
	<input checked="" type="checkbox"/> Natural gas	26,487	25,162	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 ₂ E
	<input type="checkbox"/> VOCs			Pounds, tons
	<input type="checkbox"/> NO _x , SO _x , PM _{2.5} , PM ₁₀ , 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 of N or P
	<input type="checkbox"/> Sediment from runoff			Pounds, tons
<input checked="" type="checkbox"/> Non-hazardous Waste <input type="checkbox"/> Hazardous Waste	<input checked="" type="checkbox"/> Landfill	213,940	212,486	Pounds, tons
	<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

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)? see attached word document
3. 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

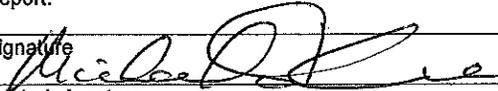
On behalf of (name of facility) Metaldyne BSM LLC

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, Michael R. Ashmore, 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 1st 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

Plant Manager

Date (month, day, year)

3/27/2013

Printed signature

Michael R. Ashmore

metaldyne

BSM LLC

Addendum to APR, Indiana ESP
Metaldyne BSM LLC
Fremont Indiana
3/27/13

Section F. 2.

2013 Activities:

1. **Waste to Landfill Reduction:** We challenged employees to look in their work areas and submit ideas for environmental improvements. We realized that we were disposing of plastic shrink wrap in the dumpster which ends up in a landfill. The goal is to increase recycling and reduce waste to the landfill. Other similar small projects are being investigated.
2. **Energy Savings:** Investigate application of window film on western facing windows which receive direct sunlight in the afternoon, causing excessive heat and thus the air conditioning units work harder. By deflecting the sunlight from the windows, it decreases the demand on the air conditioner in the summer months, glare, and fading by blocking harmful UV rays. Benefits include balancing of temperature, elimination of shatter as film holds glass together when broken, as well as privacy and comfort.

bsi.



Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM

This is to certify that:

Metaldyne BSM, LLC

307 South Tillotson
P.O. Box 615
Fremont
Indiana
46737-0615
USA

Holds Certificate Number:

EMS 69611

Operates an Environmental Management System

which complies with the requirements of

ISO 14001:2004

for the activities detailed in the scope of registration.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

Originally registered: **01/22/2003**

Expiry Date: **10/11/2015**



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This is a presentation certificate only. This is not a legal document and cannot be used as such. Only the legal certificate should be used for confirming certificate validity and scope of registration. For further information please contact the certificate holder or BSI on 703 437 9000 or www.bsiamericas.com.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 845 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.



Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2004

This is to certify that:

Metaldyne, LLC
47659 Halyard Drive
Plymouth
Michigan
48170
USA

Holds Certificate No:

EMS 69611

and operates an Environmental Management System which complies with the requirements of ISO 14001:2004 for the following scope:

The management of environmental risk associated with manufacturing processes that include powder metal sintering, aluminium die casting, forging, metal rubber bonding, machining and assembly of fabricated metal automotive components.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

Originally Registered: 01/22/2003

Latest Issue: 10/08/2012

Expiry Date: 10/11/2015



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