



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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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 Bristol-Myers Squibb			
Name of parent company (If applicable)			
Street address (number and street) 4601 Highway 62 East			
City / State / ZIP code Mount Vernon, Indiana 47620			
Web site of Facility/Company www.bms.com			
		CONTACT INFORMATION	
Name of Contact (Mr. / Mrs. / Ms. / Dr.) Mr. Daniel Charles			
Title EHS Director			
Telephone number 812-307-2556			
FAX number			
E-mail address daniel.charles@bms.com			
Mailing address (if different from facility address)			
City / State / ZIP Code			
		REPORTING PERIOD	
Reporting period dates (month, day, year) January 1 through December 31, 2012			
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. See Attachment 1.			
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 checked="" type="checkbox"/> Web site (http://www.bms.com/sustainability) <input type="checkbox"/> Open house <input type="checkbox"/> Meetings <input 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? March 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: Robert Snodgrass with ARCADIS

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: March 2011

Who headed the review (name and title)? Scott Gaddis, Executive Director of Global Manufacturing and Supply EHS

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: RCRA, CAA, CWA, OPA, CERCLA/SARA/EPICRA, TSCA-PCBs, HAZCOM, FIFRA, DOT, NRC, DHS
 Month(s) / Year(s): July 2012
 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Corporate EHS

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?
No environmental emergencies since last report. Only emergencies were unexpected power outages from storms. No deficiencies.

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)
Reduced water usage	5% reduction of water usage (196,820,000 used in 2011 vs 186,952,505)
Reduced natural gas usage (new steam trap)	2.5% annual consumption reduction

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.
Awarded the Corporate EHS President's Award (repeat) for outstanding EHS Performance in Safety and Environmental Management

2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.
Yes, expedited air permits with the ability to have "flexible" language, reduced reporting frequency, the 24 hour notice of inspection

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?
BMS maintains the position that registration would not produce any tangible improvements to our EHS Sustainability efforts.

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: _____ Indicator: _____	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Calendar year				
Actual quantity (per year)				
Normalized quantity (per year)				
Basis for your normalizing factor (e.g., gallons of paint produced)	***See Attachment 3			
Measurement unit (e.g., pounds)				

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.
Increase in recycling due to including cardboard and paper and decrease in landfill amount due to increase in product related incineration.

Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).
None

(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__11	Future Year 20__12	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 checked="" type="checkbox"/> Water Use	<input checked="" type="checkbox"/> Total water used	52,000,000	49,393,000	Gallons
<input type="checkbox"/> Energy Use	<input type="checkbox"/> Electricity			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Steam			kWh / MWh, gallons, ft ³
	<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 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 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

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)? Eliminated lawn watering, replaced 611 steam traps to a more efficient model, and replaced a continuous hot water skid to a thermostat controlled hot water skid.
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:

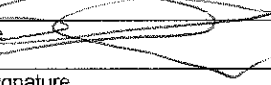
CERTIFICATION AND PLEDGE

On behalf of (name of facility) Bristol-Myers Squibb

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, Bristol-Myers Squibb, 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
General Manager

Date (month, day, year)
03/27/2013

Printed signature
Andrew Espejo

Attachment 3

Facility	Category	Indicator	Activities/Process Changes	Baseline	Future Year Quantity	1st Report 4.1.1 2010 calendar yr. 531 tons landfilled; 13 tons recycled	2nd Report 4.1.2 2011 calendar yr. 519 tons landfilled; 18 tons recycled	3rd Report 4.1.3 2012 calendar yr. 294 tons landfilled; 500 tons recycled	Total Projected Reduction	Total Actual Reduction	Cost Savings
Bristol-Myers Squibb	Waste	Non-hazardous Waste Generation	Increase in recycling due to including cardboard and paper. Decrease in landfill amount due to increase in product related incineration.	2007 593 tons landfilled; 9 tons recycled	2010 534 tons landfilled; 10 tons recycled				59 ton reduction landfill 1 ton increase recycling	74 ton reduction landfill 10 ton increase in recycling 481 ton increase in recycling	

*No known values can be computed

ATTACHMENT 1 - Section B

- Provided site operating results to Corporate EHS for Company Annual Report.
- Posted updates to Company Sustainability internet site and SharePoint internal site.
- Celebrated Earth Day at local site in Mount Vernon. We invited John Scott Foster, Executive Director of Wesselman Woods Nature Preserve, to speak to our employees about the park's activities, environmental conservation, and getting involved in local activities supporting nature. Also, engaged employees by hosting a nature photo contest.
- Planted food plots in the site's certified Wildlife Habitat area.
- Continued the employee recycling program which allows employees to bring plastic, glass, newspaper, aluminum, steel, and cardboard onto the site to be deposited in the site's recycling container.
- Discontinued the lawn sprinklers to conserve the site's water usage.

ATTACHMENT 2 – Section C, question 10

The site received an internal inspection from Corporate EHS in July 202 and below is a list of the items found with impact to the environmental management system.

Finding	Completed Corrective Action
<p>Requirement: 327 Indiana Administrative Code (IAC) 15-6-7 Sec.7(a)(1) and (a)(4): The facility must update and maintain a Storm Water Pollution Prevention Plan (SWPPP) that identifies potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges exposed to industrial activity from the facility, and lists, by position title, the member or members of a facility storm water pollution prevention team, who will be responsible for assisting the facility in its implementation, maintenance and revision</p> <p>Finding: The site's SWPPP was not updated to include the following potential pollutant sources: a 300 gallon Cafeteria used grease container, the Building 122 Generator, the Building 106 Server Generator, the Building 104 Generator, and the pile of salt storage. Also, the contact names listed in the Storm Water Inspection procedure used by field inspectors was not updated.</p>	<p>The site's SWP3 was updated to include the 300 gallon cafeteria used grease container, Building 122 generator, Building 106 server generator, Building 104 generator, and pile of salt storage. Contact names listed in the inspection procedure used by field inspectors was updated.</p>
<p>Requirement: 327 Indiana Administrative Code (IAC) 15-6-7 Sec.7(b)(7)(C): Storage piles of salt must be stored in a manner to reduce the potential for polluted storm water run-off.</p> <p>Finding: A pile of salt used for de-icing and maintenance of paved surfaces was not enclosed or covered.</p>	<p>The site added the pile of salt to the quarterly SWP3 inspection.</p>
<p>Requirement: Site's Storm Water Pollution Prevention Plan 5.1.1: Rubbish and debris are regularly collected from catch basins and facility grounds and placed in designated containers with lids to prevent exposure to storm water.</p> <p>Finding: Dumpsters in the following locations were not covered by their lids: Building 102 (two), and Building 120 nearby Cafeteria loading dock</p>	<p>Reviewed with Republic Waste (waste vendor) to make sure they place empty containers in position so that the lids are closed after they empty the container. Also required Republic Waste to change out waste container at cafeteria dock because one of the lids is broken and doesn't cover container when closed. Added the waste containers to the quarterly SWP3 inspection.</p>
<p>Requirement: EPA 40 CFR 112.5(a): The Spill Prevention, Control and Countermeasure (SPCC) plan should be amended whenever there is a material change in facility design, construction, operations, or maintenance that alters the potential for an oil spill.</p> <p>Finding: The site's SPCC plan was not amended to include the following potential oil spill sources: a 300 gallon Cafeteria used grease container, the Building 122 Generator, the Building 106 Server Generator, and the Building 104 Generator.</p>	<p>Updated SPCC plan to include the 300 gal. cafeteria used grease container, Building 122 generator, Building 106 server generator, Building 104 generator.</p>
<p>Requirement: EPA 40 CFR 112.5(c): The Spill Prevention, Control and Countermeasure (SPCC) plan should be reviewed and evaluated at least every 5 years.</p> <p>Finding: The Spill Prevention, Control and Countermeasure (SPCC) plan was reviewed and evaluated in 2009, however, it could not be determined if the Certification of</p>	<p>Updated SPCC plan and completed verification applicability of substantial harm criteria, P.E. certified plan.</p>

<p>the Applicability of the Substantial Harm Criteria (Attachment A of the site's SPCC plan) was reviewed within the required five (5) years review (the date was not clear if the signature was from 2004 or 2006).</p>	
<p><u>Requirement:</u> EPA 40 CFR 112.7(c) and (e): Appropriate containment and/or diversionary structures, and cleanup equipment to prevent discharged petroleum products from reaching a navigable water course must be readily available at the facility; and inspection procedures must be developed and implemented, and records maintained.</p> <p><u>Finding:</u> The 300 gallon Cafeteria used grease container did not have secondary containment, no procedures for unloading, and no spill kit nearby. The inspection of spill kits was not documented. Spill containment cabinet in Building 113 did not have sorbent materials and some cabinets were missing materials. The SPCC inspection log did not contain all of the weekly performed inspections verified through Maximo.</p>	<p>The 300 gallon used grease container was replaced with a double wall grease container. Procedures for unloading were created for the used grease and a spill kit was provided for the used grease. Spill kit inspection criteria was added in IndustrySafe and documented quarterly. Spill containment cabinet in Building 113 had sorbent materials added. All cabinets received a thorough inspection to ensure all contents are present. A step in the MAXIMO PM was added to update the SPCC inspection log.</p>
<p><u>Requirement:</u> BMS-CD-004-E05 Solid and Hazardous Waste 4.4.2: All liquid hazardous waste must be provided with adequate secondary containment.</p> <p><u>Finding:</u> Hazardous waste 5-gal. containers in the Chemical Lab did not have secondary containment. Hazardous waste container nearby the Flame Spectrometer in the Chemical Laboratory did not have secondary containment.</p>	<p>Secondary containment was added for the 5-gal. hazardous waste containers in the Chemical Lab and added "ALL LIQUID HAZARDOUS WASTE CONTAINERS HAVE SECONDARY CONTAINMENT" to the IndustrySafe departmental inspection sheet for the lab operations.</p>