



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
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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/pages

CONTACT INFORMATION

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

Mr. Patrick Stenski

Title

Senior EHS Specialist

Telephone number

812-307-2245

FAX number

812-307-2213

E-mail address

patrick.stenski@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, 2011

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: We have added two emergency generators and two additional manufacturing processes.

☐ 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.

☒ Web site (<http://www.bms.com/sustainability>) ☐ 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? May 2009
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: See Attachment 2.

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 Technical Operations 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/EPCRA, TSCA-PCBs, HAZCOM, FIFRA, DOT, NRC, DHS

Month(s) / Year(s): August 2010 (Next audit is July 9, 2012)

Who conducted the audit(s) (e.g., facility staff, corporate, third party)? 2 Corporate EHS and 1 third-party former IDEM auditor

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 found.

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.

See Attachment 3

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 #2 fuel oil and gasoline consumption	16% reduction in fuel oil for boilers; 91% reduction in gasoline consumption (fleet)
Reduced non-hazardous waste generation	22% reduction via improved utilization through LEAN activities & best practice sharing

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.

- 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 for outstanding EHS Performance in Safety and Environmental management.
- Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.
Yes - 1) Expedited air permits with the ability to have "flexible" language and 2) reduced reporting frequency.
- 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 5"			
Measurement unit (e.g., pounds)				

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.
LEAN activities and improved utilization of materials resulted in 22% solid (non-hazardous) waste reduction.

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.

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__10__	Future Year 20__11__	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 checked="" type="checkbox"/> Electricity	30,566,985 kWh	29,434,800 kWh	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)? See Attachment 4.

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
Executive Director & General Manager

Date (month, day, year)
3/27/12

Printed signature
Bill Mitchell

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. Provided sapling trees to employees and had a guest speaker from local electric utility speak to our employees about conserving electricity and how to apply for a residential energy review that included cost-savings initiatives. Also, donated birdhouse kits to Mars Elementary School from BMS in celebration of Earth Day.
- Toured Black Township Fire & Rescue, our community emergency response organization, regarding expansion activities. Tour included construction site environmental aspects as well as future storage areas for flammable and corrosive liquids (types and quantities) used in the manufacturing processes that were coming online at the end of 2011.

ATTACHMENT 2 – Section C, question 4

The last formal evaluation of BMS environmental aspects was conducted during early 2009 under the shared EMS. Since the divestiture from Mead Johnson Nutritional (MJN) in December 2009, BMS developed a draft protocol (Section 4.2.1 of the draft EMS SOP, ADM.SOP.0.18) for the identification and assessment of our environmental aspects as a separate site, even though the facility continued to operate on the foundation of the previously established shared EMS. In 2011, BMS set objectives to establish independent procedures and policies separate from MJN to incorporate into a site EMS. A completed, independent EMS was an EHS Department Objective achieved in 2011. BMS will utilize Keramida Global EHS & Sustainability Services to conduct an assessment of our EMS in October of 2012 and report results on our ESP Renewal application in 2013.

ATTACHMENT 3 – Section C, question 10

We are scheduled for an internal Corporate EHS assessment in July of 2012. However, as part of our EMS "Plan, Do, Check, Adjust" process and our internal projects stage-gate process, we check and identify needs. In 2011, we identified the need for 2 additional <90-day hazardous waste storage areas. We are a large quantity generator. Although we *did* anticipate generating slightly more waste as expanded manufacturing processes came online, the move to add additional storage areas was driven more out of safety and prevention of environmental incidents. Adding 2 areas offered several benefits, including:

- Eliminating the need to double-handle waste, thus reducing the risk of environmental incident
- Eliminated the need to manually handle waste drums due to proximity of point of generation and new storage areas.
- Expanded RCRA technical knowledge and capability to operators far beyond "general awareness" level.
- Reduced the risk of injury from manipulating waste drums by reducing the frequency of exposure to drum handling.

ATTACHMENT 4 – Section F, question 2

We have experienced significant cost-savings and consumption reductions in electricity from replacement of HID lighting with high-efficiency T8 fluorescent fixtures. Our next initiative will go after natural gas and water efficiency improvements. This facility is expanding. Our new expansion areas will utilize the SteamGuard steam trap technology that will reduce steam consumption and save water. There is also a project proposed (although not yet approved) to replace the 600 existing, old-style bucket traps with SteamGuard traps. We are also investigating pre-heat options on our boiler feedwater system for additional natural gas reductions. This initiative has multiple benefits – cost savings, consumption reduction, and GHG and NOX emissions reductions.

Attachment 5

Facility	Category	Indicator	Activities/Process Changes	Baseline	Future Year Quantity	1st Report 4.1.11 2010 calendar yr. 531 tons landfilled 13 tons recycled	2nd Report 4.1.12 2011 calendar yr. 519 tons landfilled 19 tons recycled	3rd Report 4.1.13	Total Projected Reduction	Total Actual Reduction	Cost Savings
Bristol-Myers Squibb	Waste	Non-hazardous Waste Generation	Eliminate styrofoam cups and food containers from cafeteria, bring recyclable waste dumpster on site for employees to bring paper based products and plastics (#1 & #2) to recycle	2007 553 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	-

* We will begin tracking cost-savings in 2012.