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INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R / 11-09)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management
Office of Pollution Prevention and Technical Assistance
100 North Senate Avenue
MC 64-00, Room IGCS W041
Indianapolis, IN 46204-2251
Telephone: (800) 988-7901
FAX: (317) 233-5627
E-mail: esp@idem.IN.gov
www.IN.gov/idem/4132.htm

INSTRUCTIONS: Please use this annual report form if you are a member of the Indiana Environmental Stewardship Program (ESP). Your annual performance report should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, FAX, mail, or e-mail the report to IDEM. If you have any questions, please contact the ESP program manager at 1-800-988-7901.

The Indiana ESP annual performance report should demonstrate progress toward objectives and targets AND certify ESP requirements continue to be achieved. Your annual performance report should cover the previous twelve (12) month calendar year and include the status of projects committed to in your facility's original ESP application, results of completed projects, and assurance that an annual internal environmental management system audit was conducted by your facility. Indiana ESP facilities must submit this annual performance report 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.

Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the Annual Performance Report publicly available, which may include posting all portions of your report on the Indiana ESP Web site.

SECTION A		FACILITY INFORMATION	
Name of facility		Covanta Indianapolis, Inc.	
Name of parent company (if applicable)		Covanta Holding Corporation	
Street address (number and street)		2320 South Harding Street	
City / State / ZIP code		Indianapolis, IN 46221	
Facility/Company Web site		Covanta Holding.com	
		CONTACT INFORMATION	
Contact name (Mr. / Mrs. / Ms. / Dr.)		Mr. Thomas A. Wehrenberg, CHMM	
Title		Environmental Compliance Specialist	
Telephone number		317-532-6712	
FAX number			
E-mail address		twehrenberg@covantaenergy.com	
Mailing address (if different from facility address)			
City / State / ZIP Code			
		REPORTING PERIOD	
Reporting period dates (month, day, year)		January 1, 2009 to December 31, 2009	
1a. Is this the third Annual Performance Report of your membership term?		<input type="checkbox"/> Yes—If yes, answer question 1b. <input checked="" 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 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 D.	
		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please describe them: A Drum Shredder was installed on the Facility Tipping Floor during 2009. The official completion date for this Project was August 9, 2009.			

SECTION B**ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT****Why do we need this information?**

IDEM needs information on the performance and assessment of your Environmental Management System (EMS).

What do you need to do?

Please summarize your facility's EMS assessments. Attach additional documents if more space is needed.

1. Is your facility currently registered to a recognized third-party EMS standard?

☐ Yes—If yes, when was an EMS audit or other assessment last conducted by an independent third party at your facility?

Type (e.g., ISO 14001 certification) _____

Scope of the audit _____

Month / year _____

☒ No—If no, when was an internal or corporate EMS audit last conducted at your facility?

Scope of the audit Internal EMS Audit

Month / year December 22, 2009

2. 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 audit Internal EMS Audit

Month(s) / Year(s) December 22, 2009

Who conducted the audit(s) (e.g., facility staff, corporate, third party) Facility Staff, Thomas A. Wehrenberg, CHMM, Environmental Compliance Specialist

3. (Optional) Please describe any other audits that were conducted at your facility.

4. 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).

The Environmental Aspects Table was updated as a result of the EMS Audit being performed.

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

☐ No such instances identified.

5. 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? The Facility did not have any Environmental Events during 2009.

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

Month / Year February 18, 2009

Who headed the review? Name and title Joseph Miller, Facility Manager

7. When did your facility last conduct a systematic identification or review of your environmental aspects?

Month/Year December 22, 2009

8. (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 C. 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 C**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 Annual Performance Report.

Category <u>Waste</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Indicator <u>Non-Hazardous</u>				
Calendar year	2006	2009	2009	\$681,000
Actual quantity (per year)	0	250	1,036	
Normalized quantity (per year)	0	0.0003	0.00147	
Basis for your normalizing factor (e.g., gallons of paint produced)	Tons			
Measurement unit (e.g., pounds)	Municipal Solid Waste Processed			

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.
The Plant's New Non-Ferrous Recovery Project for 2009 uses an eddy current separation process to recover valuable aluminum and other non-ferrous metal from combustion ash and residue.

Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).
In 2009 Covanta Indianapolis, Inc. submitted an application to the City of Indianapolis to be considered for the 2009 Sustainability Awards. Some of the above performance figures were submitted to the City in the above described application.

(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 D

ENVIRONMENTAL IMPROVEMENT INITIATIVES

Why do we need this information?

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

What do you need to do?

Identify your facility's next environmental improvement initiative. Refer to the Environmental Performance Table and answer the following questions.

- 1a. What category have you selected from the Environmental Performance Table? Energy Use
- 1b. What indicator have you selected from the Environmental Performance Table? Total (Non-Transportation) energy use by fuel type.
- 1c. All measurements should represent the performance level for the indicator across the entire facility. For many indicators, you may choose to focus your initiative on a specific subset of the indicator (e.g., a specific material, process, VOC, group of toxic air emissions, or particular waste component). Does your initiative include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific process, substance, or component (e.g., ethane, cardboard)?
- ☐ All
- ☒ Specific
- If your initiative is specific to a substance or component, please provide additional detail on your indicator (e.g., specific chemical to be reduced, specific waste component). See the attached Section D Information.

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 the attached Section D Information.

2. Does this initiative address a significant aspect in your EMS?

☐ Yes

☒ No—please explain why you believe this indicator should be included as an environmental improvement initiative: _____
See the attached Section D information.

3. Are you subject to Federal, State, tribal, or local regulatory requirements for this indicator?

☐ Yes—please explain how your initiative exceeds regulatory requirements: _____

☒ No

Stop! If the category listed in Question 1a is Energy Use, Waste, or Air Emissions for Total Greenhouse Gases, please skip Questions 4a – 4b below and turn to Appendix 1 to complete the questions pertaining to the category you listed in Question 1a. After completing the respective table in Appendix 1, return to this section and complete questions 5 and 6. Otherwise, continue answering questions 4-6 below.

- 4a. What units are you using to quantify this indicator? KW Savings in electricity per year.

- 4b. List the baseline annual quantity of the indicator and the annual quantity you are committing to achieve by the future year.

See the attached Section D Information. Baseline quantity _____ Year _____
_____ Future year quantity (not including production) _____ Year _____

5. Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

☒ Normalized goal (i.e., indexed to level of business in baseline year)

☒ Absolute goal (i.e., demonstrates improvement even if production increases)

6. Whether your goal is absolute or normalized, you need to provide normalizing factors and normalized quantities in your annual performance reports. Please briefly describe your basis for normalizing. Examples of potential normalizing basis include: gallons of paint produced, square feet of circuit boards sold, number of patients seen, dollars of sales adjusted for inflation, or number of employees (for R&D and administrative sites only).

KW Savings per year

SECTION E

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.

A Solid and Hazardous Waste Management Course was taught at Covanta Indianapolis, Inc. during 2009 by the Plant's Supplemental Waste Manager to approximately 35 students from the Indiana University "School of Public and Environmental Affairs".

Section D

Environmental Improvement Initiatives

1C – Question **If your initiative is specific to a substance or component, please provide additional detail on your indicator.**

Answer: Annual electricity energy savings of 71,941.5 KW or approximately \$10,000 per year.

Math Calculations for the above:

$$\frac{1,420,000 \text{ lbs. of steam}}{1,000} = 1,420 \text{ Mlbs.}$$

$$1,420 \text{ Mlbs.} \times \$7.00 \text{ Mlbs of steam} = \$9,940 \text{ or Approximately } \$10,000 \text{ per year in Annual Electricity Energy Savings}$$

Note: \$7.00 /Mlbs of steam = Average annual steam price paid by the Covanta Customer, Citizens Thermal.

1C – Question **What activities or process changes do you plan to undertake at your Facility to accomplish your initiative?**

Answer: The 2010 Indiana ESP Project involves the installation of Skylights, Translucent Siding and Photo-cells in the Ash, Grizzly and Mobile Equipment Buildings as a “total package” to improve the Plant’s interior lighting to reduce the Plant’s electrical load on the Steam turbine. The photo-cells will turn the interior lights off during the day, during sunshine hours and then back on again at night time. The steam turbine is used to generate electricity for the the entire Plant, which includes the Administration Building and the Outside Grounds.

The annual dollar savings to the Plant’s Bottom Line is expected to be approximately \$10,000 per year because the steam that would have been used to generate electricity can now be sold to a Covanta Customer (Citizens Thermal) for a Profit.

2 Question — Does this initiative address a significant aspect in your EMS?

No – Please explain why you believe this indicator should be Included as an environmental improvement initiative:

Answer: The above described ESP Project to install the Skylights, Translucent Siding and the Photo-cells at the Facility will off-set air emissions generated by Covanta's Steam Customer (Citizens Thermal) because they will be in a position where they can produce less steam to meet the City of Indianapolis energy needs for heating and cooling.

Math Calculations for the above concept:

It takes 1.3 cubic feet of Natural Gas to make 1 lb. of Steam.

1,420 Mlbs. X 1.3 cubic feet of natural gas = 1,846,000 cubic feet
of natural gas

Therefore, Citizens Gas does not have to burn 1,846,000 cubic feet of natural gas to meet the City of Indianapolis energy needs during 2010, so this reduces their air emissions to the atmosphere.

4B – Question List the baseline annual quantity of the indicator and the annual quantity you are committing to achieve by the future year.

Answer: Baseline Quantity: 0

Year: 2009

Future Year Quantity: 71,941.5 KW or approximately \$10,000
per year.

Year: 2010

→ saving this by installing skylights, etc.

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.CovantaHolding.com>)
advisory panel

) ☐ Open house ☐ Meetings ☐ Press releases ☐ Community

☐ Other

SECTION F

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.
In 2009 Covanta Indianapolis, Inc. submitted an application to be considered for the City of Indianapolis 2009 Sustainability Awards. During the Awards Ceremony Covanta Indianapolis, Inc. was recognized by the City as a Runner-Up in it's Category.
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. No Indiana ESP Incentives are required by Covanta Indianapolis, Inc.
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

CERTIFICATION AND PLEDGE

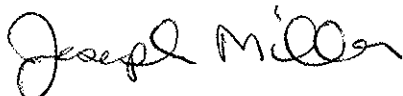
On behalf of (name of facility) Covanta Indianapolis, Inc.

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, Covanta Indianapolis, Inc., 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
Facility Manager

Date (month, day, year)

March 29, 2010

Printed signature

Joseph Miller

Please mail, fax, or e-mail your completed Environmental Stewardship Program Annual Performance Report to:

IDEM-OPPTA
ESP Program Manager
MC 64-00, Room IGCS W041
100 North Senate Avenue
Indianapolis, IN 46204-2251

FAX: 317-233-5627
E-mail: esp@idem.IN.gov

Energy use - non-transportation - NA, see section D INFORMATION

In the table below, please enter the amount of energy that you currently use and that you intend to use in your future reporting year. Break the energy use down by fuel type. Please note that you need only complete those lines that are relevant to your facility. If all of your energy is purchased from a local electricity generator, you may only need to complete the first line. If the facility uses natural gas, please be sure to complete the appropriate line (natural gas is typically combusted on site so it is listed in the "onsite" section). After completing the table, return to question 5 and complete the remaining application questions.

4a. Is the goal of your energy use commitment to:

- ☐ Reduce hazardous waste ☐ Improve waste management methods ☐ Combination of both strategies

4b. How much energy of each type does your facility use?

		Baseline year 20	Future year 20	Units
Energy Generated Off-Site	Electricity			
	Steam			
	Total energy generated off-site			
Sources of Energy Generated On-Site	Coal			
	Natural gas			
	Crude oil			
	Fuel oil			
	Diesel			
	Propane / LPG			
	Gasoline			
	Hydrogen powered fuel cells			
	Natural gas / methane powered fuel cells			
	Biomass			
	Solar			
	Wind			
	Landfill gas			
	Geothermal			
	Hydroelectric			
	Tire derived fuel			
	Other fuel or source Specify: _____			
	Total energy generated on-site			
Total renewable energy use				
Total non-renewable energy use				
Total energy use				
Metric tons of CO2 equivalents				
Metric tons of CO2 equivalents				
Offset through purchases of electricity from renewable off-site sources				
Net metric tons of CO2 equivalents				

Waste - Non-hazardous waste generation - NA

In the table below, please enter your facility's amount of non-hazardous waste, broken down by waste management method. Please enter both the amounts you manage currently and that you intend to manage in your future reporting year. "Waste" is defined as all materials sent off-site that are neither product nor product packaging. After completing the table, return to question 4 and complete the remaining application questions.

4a. Is the goal of your non-hazardous waste commitment to:

- ☐ Reduce hazardous waste ☐ Improve waste management methods ☐ Combination of both strategies

4b. How much of your waste is handled using each management method?

Method of waste managed	Baseline year 2006	Future year 20	Units
Landfill			
Incineration			
Reused/recycled off-site			
Other management - specify: _____			
Total non-hazardous waste			

Waste - Hazardous waste generation - NA

In the table below, please enter your facility's amount of hazardous waste, broken down by waste management method. Please enter both the amounts that you manage currently and that you intend to manage in your future reporting year. Include all hazardous waste that is treated on-site or sent off-site. After completing the table, return to question 4 and complete the remaining application questions.

4a. Is the goal of your hazardous waste commitment to:

- ☐ Reduce hazardous waste ☐ Improve waste management methods ☐ Combination of both strategies

4b. How much of your hazardous waste is handled using each management method?

Method of waste managed	Baseline year 20	Future year 20	Units
Landfill			Tons
Incineration			Tons
Reused/recycled off-site			Tons
Treated on-site			
Other management specify: _____			
Total hazardous waste			

Air emissions – Total greenhouse gases - NA

In the table below, please enter your facility's amount of greenhouse gases, broken down by process and source. Please enter both the amounts that you manage currently and that you intend to manage in your future reporting year. After completing the table, return to question 4 and complete the remaining application questions.

4a. Is the goal of your Total Greenhouse Gases commitment to:

- ☐ Reduce energy use ☐ Reduce process-related emissions ☐ Combination of both strategies

4b. How much greenhouse gas does your facility emit from each source?

Source		Baseline year 20	Future year 20	Units
Direct Emissions	Stationary combustion			
	Mobile sources			
	Refrigeration/AC equipment use			
	Process/Fugitive Specify source: _____			
	Process/Fugitive Specify source: _____			
	Process/Fugitive Specify source: _____			
	Total direct emissions Process/Fugitive			
Indirect Emissions	Purchased electricity			
	Purchased steam			
	Purchased hot water			
	Total indirect emissions			
Optional Indirect Emissions	Other Specify source: _____			
	Other Specify source: _____			
	Other Specify source: _____			
	Total optional indirect emissions			
Offsets	Offsets Specify source: _____			
	Offsets Specify source: _____			
	Offsets Specify source: _____			
	Total reductions from offsets			
	Total emissions less offsets			
Supplemental Information	Total CFC			
	Total HCFC			
	Total stationary combustion – biomass CO2			
	Total mobile sources – biomass CO2			
	Electricity trading transactions- electricity purchase for resale			