



INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R7 / 2-21)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management
Office of Program Support
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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. Membership terms are renewed every four (4) years through submitting your APR. 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.

This form will also be used for ESP members who are also members of the Indiana Partners for Pollution Prevention Program to recertify their membership and reaffirm their commitment to the Partners Pledge.

SECTION A FACILITY INFORMATION		
Name of facility Mitsubishi Heavy Industries Climate Control (MCCA), Mitsubishi Turbocharger and Engine America (MTEA)		
Name of parent company (if applicable) Mitsubishi Heavy Industries LTD (MHI)		
Street address (number and street) 1200 North Mitsubishi Parkway		
City / State / ZIP code Franklin, Indiana 46131		
County Johnson		
Website of facility / company www.mhicc.com / www.mitsubishi-turbo.com		
How many employees (full time equivalents) currently work at your facility? 130		
CONTACT INFORMATION		
Name of Primary Contact (Mr. / Mrs. / Ms. / Dr.) Mr. Kent M. Smith		Title Senior Manager of Facility/Environmental
Telephone number (317) 346-5058	FAX number (317) 738-4292	E-mail address kents@mhicc.com
Mailing address (if different from facility address) same as above		
City / State / ZIP Code same as above		
Name of Secondary Contact (Mr. / Mrs. / Ms. / Dr.) Ms. Raney Green		Title Quality / Environmental Engineer
Telephone number (317) 346-5286	FAX number (317) 346-6170	E-mail address rgreen@mitsubishi-turbo.com
Mailing address (if different from facility address) same as above		
City / State / ZIP Code same as above		
REPORTING PERIOD		
Reporting period dates from prior calendar year (mm/dd/yyyy – mm/dd/yyyy) January 01, 2020 - January 01, 2021		
1a. Is this the fourth ESP 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.		
2a. Are you a member of the Indiana Partners for Pollution Prevention (Partners) Program? ☒ Yes—If yes, answer question 2b. ☐ No—If no, skip to the "Change in Information" section of this report.		

REPORTING PERIOD (CONTINUED)

2b. Do you wish to recertify your Partners for Pollution Prevention (Partners) Pledge?

☒ 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: _____

☒ 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. **Reduction of cardboard and wood pallets**

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.mhicc.com>) ☐ Open house ☒ Meetings ☐ Press releases ☒ Other Global Arc magazine

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 EMS Lead Auditor at least every thirty-six (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 EMS Lead Auditor performed an EMS assessment at your facility? 02/24/2021

2. Name, title, and organization of ISO 14001 EMS Lead Auditor who conducted the most recent EMS assessment: Troy Miller - External Auditor for BSI

3. Is the date of the most recent EMS assessment performed by an ISO 14001 EMS Lead Auditor within the past thirty-six (36) months?

☒ Yes—If yes, skip to Question 4.

☐ No—If no, please have your ISO 14001 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 EMS Lead Auditor

Date (month, day, year)

SECTION C	ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT CONTINUED
4. Were any deficiencies found during the most recent EMS assessment?	☒ Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency: <u>Operational Control - labeling of waste containers not effective CA - label</u> ☐ No
5. What type of protocol was used to perform the independent EMS assessment?	☒ ISO 14001:2015 Certified 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 14001:2015 ☐ Responsible Care EMS ☐ Responsible Care 14001 ☐ No
7. When was the last Senior Management review of your EMS completed?	Month / Year: <u>January 2021</u> Who headed the review (name and title)? <u>Mr. Ito - President of MCCA & Mr. Lee - Vice President of MTEA</u>
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: <u>Compliance Audit</u> Month(s) / Year(s): <u>November 2020</u> Who conducted the audit(s) (e.g., facility staff, corporate, third party)? <u>Certified internal lead auditor including a new auditor.</u>
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 emergencies to report.
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). <u>continual monitoring of labeling to requirements.</u> ☐ No—If no, please explain your plans to correct these instances. ☐ No such instances identified.

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 (12) months. <u>We continue to monitor McClain drive so trash is picked up and the sides of the road are mowed from Jim Black road to the entrances of our facility.</u>	
2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider. <u>We went from two samples per month on waste water to one sample per month. We also get a phone call from IDEM inspector before they show up the next day.</u>	
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? <u>MCCA was ISO 14001:2004 before becoming a member of the ESP Program. MTEA was added to the Scope of ISO14001:2015 in 2016. The ESP Program has provided training at various meetings that helped us understand the new 2015 Standard. MCCA is a member of P2.</u>	
4. Are the ESP and/or Partners group meeting your expectations? Please provide feedback or suggestions. <u>Yes. The networking, sharing of projects and breakout sessions give valuable feed into future projects big and small.</u>	

SECTION D

ADDITIONAL INFORMATION (CONTINUED)

5. If you are a member of Partners, please reaffirm your facility's or organization's pledge to the Partners and provide additional information regarding commitment to pollution prevention (P2).

Yes	No	
☒	☐	1. Ensure employees are aware of the facility's commitment to P2 and understand their role in implementing P2 objectives and goals in the facility.
☒	☐	2. Your facility has incorporated P2 planning in the development of new products, processes, and/or services.
☒	☐	3. Your facility established a mechanism to monitor waste generation and identify realistic P2 goals.
☒	☐	4. Your facility has established a process to listen and respond to stakeholder concerns.
☒	☐	5. Your facility makes available your general waste reduction and P2 information to members of our community, IDEM, and the Partners, if requested?
☒	☐	6. Your facility has participated in or conducted outreach activities that include details of your P2 efforts; please specify: <u>work with suppliers to reduce packaging waste</u>
☒	☐	7. Your facility has participated in two or more Partners meetings in the last year.
☒	☐	8. Your facility supported the annual Pollution Prevention Conference and Trade Show. Please check all that apply: ☐ Financial sponsorship ☒ One or more attendees from your facility ☐ Other (specify) _____

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. IDEM needs to report cumulative program reduction results.

What do you need to do?

Reference Section F for "Category" and "Indicator" options to complete this section. Summarize your facility's progress on achieving the initiative you identified in the application or last year's APR. For assistance, please call (800) 988-7901 or email esp@idem.IN.gov.

Initiative #1

Category 1: Material used Indicator 1: total pkg materials used	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings
Calendar year	2020	2021	
Actual quantity (per year)	5122.56 6643.7	6178.66	\$2299.74
Production unit (select one)	Earned Labor Hours Production units Production lbs. X Other -- specify (e.g. Gallons, length, etc.) 6178.66		
Production Quantity	334,080	402,956	NA
Normalization factor (Current year production ÷ Baseline year production) 1.206166			
Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor 1,273.832 560.92			
Briefly describe how you achieved improvements for environmental initiative #1 or, if relevant, any circumstances that delayed progress. Reduction was not as due to shutdown caused by Covid-19. We did not have as much cardboard to reduce as considered, but with a smaller amount of cardboard we still showed a cost savings of \$2,299.74.			

Initiative #2

Category 2: Material used Indicator 2: Total pkg materials used	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings
Calendar year	2020	2021	
Actual quantity (per year)	5742 7458	6930	\$2,772.98
Production unit (select one)	Earned Labor Hours Production units Production lbs. X Other -- specify (e.g. Gallons, length, etc.) 6930		
Production Quantity	334,080	402,856	NA
Normalization factor (Current year production ÷ Baseline year production) 1.206166			
Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor 1,432.925 636.70			
Briefly describe how you achieved improvements for environmental initiative #2 or, if relevant, any circumstances that delayed progress. Reduction was not as high due to shutdown caused by Covid-19. We did not have as many wood pallets to reduce as considered, but with a smaller amount of pallets we still showed a cost savings of \$2,772.98			

SECTION E

ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS
CONTINUED

Initiative #3

Category 3: Indicator 3:	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings
Calendar year			
Actual quantity (per year)			
Production unit (select one)	Earned Labor Hours Other -- specify (e.g. Gallons, length, etc.)	Production units	Production lbs.
Production Quantity			NA
Normalization factor (Current year production ÷ Baseline year production)			
Normalized quantity (Actual current year quantity ÷ Actual baseline quantity) x Normalization factor			
Briefly describe <i>how</i> you achieved improvements for environmental initiative #3 or, if relevant, any circumstances that delayed progress.			
1. Briefly describe the <i>impacts or wastes</i> eliminated resulting from the environmental initiative(s). If multiple initiatives, please indicate which specifically. In both cases above we still reduced the cardboard and wood pallets used by replacing them with plastic totes for one of the suppliers.			
2. Are there other best management practices (BMPs) you can share correlating to your initiative(s)? Supplier review to determine who would be best suited for returnable containers in place of cardboard and wood pallets in order to reduce waste of resources and impact to environment.			
3. If the objectives and targets associated with the environmental improvement initiative(s) were not attained, please verify continued progress toward the environmental initiative(s). If multiple initiatives, please indicate which specifically. Even though our actual values for 2020 were lower than the estimated we were still able to utilize the returnable containers for this part and continue to reduce our cardboard and pallet waste.			
4. Please provide a narrative summary of progress made toward <i>qualitative, significant</i> EMS objectives and targets, if any. We still met the requirements of upper management to reduce the quantity of wood pallets and cardboard.			
5. Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL). We report our data to our mother company in Japan.			
6. Is your entity willing to share the environmental improvement initiative(s) and its best management practices (BMPs) at the ESP Annual Meeting and/or a Partners for Pollution Prevention quarterly meeting or conference? ☒ Yes ☐ No			

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 next environmental improvement initiative selected by your facility. For the category and indicator selected, list the **baseline year** (e.g., 2015) and the **future year** (e.g., 2016). 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 21	Future Year 20 22	Unit
☐ Material Procurement	☐ Recycled content			Pounds, tons
	☐ Hazardous/toxic components			Pounds, tons
☐ Suppliers' Environmental Performance	☐ Specify indicator: _____			As specified for the particular indicator
	☐ Materials used			Pounds, tons
☐ Material Use	☐ Hazardous materials used			Pounds, tons
	☐ Ozone depleting substances used			CFC-11 equivalent pounds
	☐ Total packaging materials used			Pounds, tons
☐ Water Use	☐ Total water used			Gallons
	☐ Electricity			kWh / MWh, Btu / MMBtu
	☐ Steam			kWh / MWh, gallons, ft ³
	☐ Natural gas			Btu / MMBtu
	☐ Diesel			Gallons
	☐ Propane / LPG			Btu / MMBtu, gallons
☐ Energy Use	☐ Gasoline			Gallons
	☐ Solar			kWh / MWh
	☐ Wind			kWh / MWh
	☐ Landfill gas			Btu / MMBtu
	☐ Combined heat and power			kWh / MWh, Btu / MMBtu
	☐ Other: _____			_____
☒ Land and Habitat	☒ Land and habitat conservation	0 sq ft	90,000 sq ft	Square feet, acres
	☐ Community land revitalization			Square feet, acres
	☐ Total GHGs			MTCO ₂ E
☐ Air Emissions	☐ VOCs			Pounds, tons
	☐ NO _x , SO _x , PM _{2.5} , PM ₁₀ , or CO			Pounds, tons
	☐ Air toxics			Pounds, tons
	☐ Odor			European Odour Units
	☐ Radiation			Curies, Becquerels
	☐ Dust			Pounds, tons
☐ Discharges to Water	☐ COD or BOD			Pounds, tons
	☐ Toxics			Pounds, tons
	☐ Total suspended solids			Pounds, tons
	☐ Nutrients			Pounds, tons of N or P
	☐ Sediment from runoff			Pounds, tons
	☐ Pathogens			MPN/ml, CFU/ml
☒ Non-hazardous Waste	☐ Landfill			Pounds, tons
☐ Hazardous Waste	☐ Incineration			Pounds, tons
	☒ Reused/recycled off-site	47,300#	47,063.5#	Pounds, tons, gallons
	☐ Other: _____			Pounds, tons, gallons
☐ Noise	☐ Noise			dBA
☐ Vibration	☐ Vibration			Inches per second
	☐ Expected lifetime energy use			kWh / MWh, Btu / MMBtu
☐ Products	☐ Expected lifetime water use			Gallons
	☐ Expected lifetime waste to air, water, or land from product use			Pounds, tons
	☐ Waste to air, water, or land from disposal or recovery			Pounds, tons

If you need assistance filling out the form, please contact the ESP program manager at either esp@idem.in.gov or 1-(800) 988-7901.

SECTION F

FUTURE YEAR ENVIRONMENTAL IMPROVEMENT INITIATIVE

CONTINUED

2. If the environmental improvement initiative(s) will be *qualitative* in nature, please describe. _____
2021 improvement initiative will be reported as a quantity or measured value.
3. 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)? _____
1) Return newly converted land into more natural habitat or conservation area by utilizing outside agencies.
2) Kaizen events / lean events.
4. 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

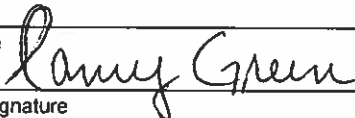
On behalf of (name of facility) Mitsubishi Heavy Industries Climate Control (MCCA)/Mitsubishi Turbocharger and Engine America (MTEA)

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, MCCA / MTEA, 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 we must meet the requirement of implementing one (1) new, independent environmental improvement initiative each year of membership (for a total of four (4) initiatives), 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 four (4) 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



Date (month, day, year)

April 6, 2021

Printed signature

Raney Green

Title

Environmental Representative - MTEA

