

INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R8 / 1-22)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management Office of Program Support

MC 64-00, Room IGCN 1316 100 North Senate Avenue Indianapolis, IN 46204-2251 Telephone: (800) 988-7901 FAX: (317) 233-5627

FAX: (317) 233-5627 E-mail: <u>esp@idem.IN.gov</u>

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 INFORM	ATION		
Name of facility Allison Transmission, Inc.				
Name of parent company (if applicable)				
Street address (number and street) One Allison Way (MC-29)				
City / State / ZIP code Indianapolis, IN 46222				
County Marion				
Website of facility / company http://www.allisontransmission.com				
How many employees (full time equivalents) currently work at your facility?			
	CONTACT INFORM	MATION		
Name of Primary Contact (Mr. / Mrs. / Ms. / Mrs. Teresa A Colson	Dr.)	Title HQ Environmental Engineering		
Telephone number (317) 242-7053	Mobile phone number	E-mail address teresa.colson@allisontransmission.com		
Mailing address (if different from facility add	lress)	,		
City / State / ZIP Code		v		
Name of Secondary Contact (Mr. / Mrs. / Mr. Matthew Littell	s. / Dr.)	Title Environmental Engineering		
Telephone number (317) 242-2818	Mobile phone number	E-mail address		
Mailing address (if different from facility add	(ress)			
City / State / ZIP Code				
	DEDORTING DE	BIOD		
REPORTING PERIOD Reporting period dates from prior calendar year (mm/dd/yyyy – mm/dd/yyyy) April 01, 2021 - March 31, 2022				
 1a. Is this the fourth ESP Annual Performance Report of your membership term? ☐ Yes—If yes, answer question 1b. ■ No—If no, skip to question 2a. 				
 1b. Do you wish to renew your Indiana Environmental Stewardship Program membership? ☐ Yes—If yes, please answer question 2a and complete all sections of this annual report. ☐ No—If no, please answer question 2a and 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 c	omplete all sections of this annual report.				
☐ No—If no, please complete all sections of this annual report except for Section F.					
In your ECD and institute and a		IN INFORMATION			
	erhaps, in previous annual performance rep acility's list of products or activities?	orts, you described what your facility	y does or makes. Have there been any		
Yes—If yes, plea Built a new state of the	se describe them: art building: Innovation Center West of the Main Plant. R	elocated engineers and staff from off-site Plant 2	20 to this building and to our Engineering Operations (R&D)		
□ No					
SECTION B	PUBLIC OUTREACH A	ND PERFORMANCE REPORTING			
Why do we need this information IDEM needs to know how environments.	ation? ironmental information was shared with the		What do you need to do? Describe how the facility has shared and plans to share environmental information.		
Please briefly describe the active report publicly on its environment	ivities that your facility conducted during this	reporting period to interact with the	community on environmental issues and to		
Annual reporting, information on website -	ESG, sustainability, continuation of Global EMS of applica	ble site, support supplier environmental question	nairres, Earth Day Sponsor, joined Circular Indiana,		
Please indicate which of the fo	llowing methods your facility plans to use to	make its ESP Annual Performance	Report available to the public. Please check		
Web site (http://www.	ransmission.com)	☐ Meetings ■ Press releases	annual ESP report, ESG, Corporate Other: Sustainability Report		
SECTION C		AGEMENT SYSTEM ASSESSMENT			
	ented an EMS that meets certain		What do you need to do? Answer the following questions		
criteria and use an ISO 14001 thirty-six (36) months to assess	EMS Lead Auditor at least every		about your EMS.		
	ate that an ISO 14001 EMS Lead Auditor pe	erformed an EMS assessment at you	ur facility? 08/16/2021 - 8/20/2021		
2. Name, title, and organizat Ms. Dee Tankersley, Lead Auditor	ion of ISO 14001 EMS Lead Auditor who co	nducted the most recent EMS asses	ssment:		
3. Is the date of the most red	cent EMS assessment performed by an ISO	14001 EMS Lead Auditor within the	past thirty-six (36) months?		
Yes—If yes, skip	to Question 4.				
	e have your ISO 14001 EMS Lead Auditor of listed criteria for ESP membership:	complete and sign the following chec	klist, indicating whether or not your EMS		
Yes No Evi	dence of senior management support, comr	mitment, and approval.			
Yes No Av	vritten environmental policy directed toward	compliance, pollution prevention, an	d continuous improvement.		
Yes No Ide	ntification of the environmental aspects at the	ne entity.			
Yes No Pricent	oritization of the environmental aspects and vironmental impacts and applicable laws and	a determination of those aspects de d regulations.	eemed significant considering, at the minimum,		
for bey	ablished priorities, and environmental objec ensuring compliance with applicable enviror ond current legal requirements and specify plementation activities, and projected time fra	nmental laws, regulations, and perm the environmental media, types of p	rovement in environmental performance and it conditions. Objectives and targets must go collution to be prevented or reduced,		
cor	established community outreach mechanisr nmunity of important matters that affect the vironmental policy and significant aspects.	n that includes identifying and respo community; and reporting on the EM	onding to community concerns; informing the 1S, including reporting to the public on the		
	orporation of environmental and pollution produced in modifications of existing processes.	evention planning in the developmer	nt of new products, processes, and services		
Yes No Evi	dence of clear responsibility for implementarinpliance with applicable environmental laws	tion, training, monitoring, EMS main , regulations, and permit conditions.	tenance, taking corrective action, and ensuring		
Yes No Do	cumentation of the implementation procedur	es and the results of implementation	1.		
Yes No App	propriate written EMS procedures.				
Yes No An	annual evaluation of the EMS with written re	esults provided to senior manageme	nt and affected employees.		
Signature of ISO 14001 E	MS Lead Auditor		Date (month, day, year)		

SE	CTION 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> </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: 11/30/2021
	Who headed the review (name and title)? Mr. David Graziosi, President and CEO
8.	When did your facility last conduct an internal or corporate environmental compliance audit? Do not include inspections or site visits by regulatory organizations. Main Campus, Plant 17, Plant 20, Aburn Hills MI
	Scope of the compliance audit:
	Month(s) / Year(s): October 19-21, 2021
	Who conducted the audit(s) (e.g., facility staff, corporate, third party)? 3rd Party: Keramida Global EHS & Sustainability Service
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?
contra	re were not any External / Significant environmental emergencies. Continued Company - Wide response to COVID-19 pandemic. A full emergency responder preparedness tour was conducted with acted HAZMAT emergency responders, local and state fire departments - to ensure adequate response in the event of an incident.
Annu	ial reviews of all processes and documents of the EMS concluded that the program is effective. Updates to emergency and contingency plans were updated mainly for supplier name changes and some onnel changes as well as including new building and facility (VEET).
10	Has your facility corrected all instances of potential environmental non-compliance and EMS non-conformance identified during your audits and other
10.	assessments?
	■ Yes—If yes, briefly summarize corrective actions taken and other improvements made as a result of your EMS assessment(s) or plans to correct these instances.
	compliance audit(s).
resp	tracks and considers all findings, recommendations as well as opportunity for improvements. All identified in 2 internal EMS audits, 1 external EMS and the 3rd party Compliance audit were tracked and onded to per our EMS protocol.
<u></u>	
	CTION D ADDITIONAL INFORMATION
Thi.	by do we need this information? What do you need to do? Is information will help IDEM to effectively manage the Answer the questions as completely as possible.
<i>En</i> (vironmental Stewardship Program. In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve (12) months.
Conti	inued member of Partners of Pollution Prevention (P4P2), Indiana Circular, Earth Day, LEPC, KIB, other
2.	Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should
yes, a	CONSIDER. advanced notice of inspections, where applicable, less frequent reporting and faster (in some instances) permit approval, display of ESP plaque and flag

- 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?
- n/a Allison Transmission has been ISO14001 certified for many years. The EMS aids us in not only setting a standard for the many locations, but also to ensure sustaining regulatory compliance as well as continuous improvement
- 4. Are the ESP and/or Partners group meeting your expectations? Please provide feedback or suggestions.

Allison Transmission enjoys being a member of ESP and the Partners Group. ESP and the Partners group are currently meeting our expectations.

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: Earth Day, KIB, KnowZone, P4P2, ESP		
		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) Executive Committee		

SECTION E **ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS** Why do we need this information? What do you need to do? Reference Section F for "Category" and "Indicator" options to Facilities need to share the results of the environmental improvement complete this section. Summarize your facility's progress on achieving initiative that was pursued during the reporting period. IDEM needs to report cumulative program reduction results. 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: Energy Usage Baseline Current Cost Savings Indicator 1: Natural Gas (indicate measurement unit) (indicate measurement unit) Calendar year 380,016 MCF 321,298 MCF Actual quantity (per year) X Production units Earned Labor Hours Production lbs. Production unit (select one) Other -- specify (e.g. Gallons, length, etc.) 709040 **Production Quantity** NA Normalization factor (Current year production + Baseline year production) see below: 2019 MCF / unit = 0.535958479; 2021 MCF / unit = 0.496964331 Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor 63,635 MCF reduction = 16.53% reduction 2021 v 2019 Briefly describe how you achieved improvements for environmental initiative #1 or, if relevant, any circumstances that delayed progress. Boiler fully running (2020 install)

Initiative #2				
Category 2: Energy Use Baseline Current		Coat Savings		
Indicator 2: Electricity	(indicate measurement unit)	(indicate measurement unit)	Cost Savings	
Calendar year	2019	2021		
Actual quantity (per year)	177,756,433 KWH	173,287,928 KWH		

Production unit (select one)	Earned Labor Hours Other specify (e.g. Galle		luction lbs.	
Production Quantity	709,040	646,522	NA	
Normalization factor (Current year	ar production ÷ Baseline year produ	uction) see below: 2019 KWH / unit = 250	D.70; 2021 KwH / unit = 268.522	
Normalized quantity (Actual curre	ent year quantity - Actual baseline	quantity) x Normalization factor	31,086,066 KwH reduction = 15,21% 2021 v 2019	
Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor 31,086,066 KwH reduction = 15.21% 2021 v 2019 Briefly describe how you achieved improvements for environmental initiative #2 or, if relevant, any circumstances that delayed progress. Plant - wide LED retrofit and strategy for new lighting, improvement of AHU / ATU, compressor projects, improved test cells				
Initiative #3				
Category 3:	Baseline	Current	Coat Savinas	
Indicator 3:	(indicate measurement unit)	(indicate measurement unit)	Cost Savings	
Calendar year				
Actual quantity (per year)				
Production unit (select one)	Earned Labor Hours Other specify (e.g. Galle		duction lbs.	
Production Quantity			NA	
Normalization factor (Current year	ar production ÷ Baseline year produ	uction)	500 00	
Normalized quantity (Actual curr	ent year quantity - Actual baseline	quantity) x Normalization factor		
Briefly describe how you achieve	ed improvements for environmental	initiative #3 or, if relevant, any c	ircumstances that delayed progress.	
SECTION E	ENVIRONMENTA	L IMPROVEMENT INITIATIVE F	RESULTS	
 Briefly describe the <i>impacts or wastes</i> eliminated resulting from the environmental initiative(s). If multiple initiatives, please indicate which specifically. Reduction of NG by utilizing new EE boilers. Age of former powerhouse cause significantly more usage. Reduction of electricity by strategically placing and updating lighting in factory with LED. also less maintenance which is less universal waste and ancillary resources 				
2. Are there other best management practices (BMPs) you can share correlating to your initiative(s)? 2 - setting standards for future work and projects at the company. Requiring LED lighting and strategy going forward.				
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. n/a - goals and project was attained/completed				
4. Please provide a narrative summary of progress made toward qualitative, significant EMS objectives and targets, if any. These initiatives are developed and tracked in our EMS under OTAPs (objectives, targets and programs) - these are developed, approved and internally / externally communicated throught the plant and to senior management / board of directors. Allison Transmission had a sucessful year of 2021 OTAPs; In summary, they were: 001: upgrade Test Cell TC704 - which has an energy reduction and hence a monitoring reduction output 002: Upgrade piping from the 450K for Waste Water PreTreatment - which removed sub-surface piping (risk of leaks) and easier PM's and inspections 003: Revoke the Plant 17 Air Registration Permit - changing the high VOC Rust Preventative would eliminate the need of Registration Air Permit. Reduces aspect ranking and removes chemicals 004: Consolidation of Plant 20 into Main Campus - remove UST / AST - removed regulations, leak prevention 005: Reduction of EPA Remediation AOI - work to closure for this Area Of Interest - pollution clean up and prevention				
5. Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, DOE Energy Performance, state award application). Indiana Governor's Award for Environmental Excellence application 2022, Board of Directors, Corporate / Stake Holders Sustainability Report, 2021 ESG report				
6. Would your facility be 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

FUTURE YEAR 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.

Select the appropriate boxes in the following table to indicate the category and indicator(s) that represents the future environmental improvement initiative selected by your facility. For the category and indicator selected, list the baseline year (e.g., 2022) and the future year (e.g., 2023). 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 <u>21</u>	Future Year 20 <u>22</u>	Unit
☐ Material Procurement	☐ Recycled content			☐ Pounds, ☐ tons☐ gallons
- Waterial Frocurence	☐ Hazardous/toxic components			☐ Pounds, ☐ tons☐ gallons
Suppliers' Environmental Performance	☐ Specify indicator:			As specified for the particular indicator
	☐ Materials used			☐ Pounds, ☐ tons ☐ gallons
☐ Material Use	☐ Hazardous materials used			☐ Pounds, ☐ tons ☐ gallons
	Ozone depleting substances used			CFC-11 equivalent pounds
	☐ Total packaging materials used			☐ Pounds, ☐ tons
☐ Water Use	☐ Total water used			Gallons
	■ Electricity	173,287,928	6% reduction	■ kWh, □ MWh
	☐ Steam			☐ kWh, ☐ MWh, ☐ gallons, ☐ ft³
	■ Natural gas	321,298 MCF	6% reduction	■ Btu, □ MMBtu
	☐ Diesel			Gallons
- Engravilles	☐ 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,
	☐ Other:			
□ Land and Habitat	☐ Land and habitat conservation			☐ Square feet, ☐ acres
☐ Land and Habitat	☐ Community land revitalization			☐ Square feet, ☐ acres
	☐ Total□GHGs			MTCO2E
	□VOCs			☐ Pounds, ☐ tons
	□ NOx, SOx, PM _{2.5} , PM ₁₀ , or CO			☐ Pounds, ☐ tons
☐ Air Emissions	☐ Air toxics		1 11 11 11 11 11	☐ Pounds, ☐ tons
	Odor			European Odour Units
	Radiation			☐ Curies, ☐ Becquerels
	☐ Dust			☐ Pounds, ☐ tons
	☐ COD or BOD			☐ Pounds, ☐ tons
	☐ Toxics			□Pounds, □ tons
	☐ Total suspended solids			□Pounds, □ tons
☐ Discharges to Water	Nutrients			□Pounds, □ tons of □ N or □ P
	☐ Sediment from runoff			□Pounds, □ tons
	☐ Pathogens			☐MPN/ml, ☐ CFU/ml

Category	Indicator	Baseline Year 20	Future Year 20	Unit
	Landfill			□Pounds, □ tons
☐ Non-hazardous Waste ☐ Hazardous Waste	☐ Incineration			□Pounds, □ tons
	Reused/recycled off-site			□Pounds, □ tons, □gallons
	Other:			□Pounds, □ tons, □gallons
□ Noise	□ Noise			dBA
☐ Vibration	☐ Vibration			Inches per second
	Expected lifetime energy use			☐kWh, ☐ MWh, ☐ Btu, ☐ MMBtu,
	☐ Expected lifetime water use			Gallons
Products	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
 What activities or process changes do you plan to undertake at your facility to accomplish your future initiative (e.g., technology changes in a particular process line, employee training)? continue infrastructure and lighting upgrades at the facility: AHU / ATI, lighting, connecting buildings, Does this future initiative address a significant aspect in your EMS?				
	CERTIFIC	ATION AND PLEDGE		
On behalf of (name of facility)	son Transmission, 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, Allison Transmission, Inc				
Performance Report.				
Signature CURTIS D	TYRA - SEE SIGI	NATURE AUTHORI	CATTON	Date (month, day, year) 03/30/2022 3/22/2022
Printed signature Mr. Rafael Basso	·		Title Vice President Operations	



Date:

March 31, 2022

To:

Allison Staff, OPS Staff, Wendy Riggles, Accounts Payable, Cathy

Austin, Matt Pierson

From:

Rafael Basso

Subject:

Signature Authorization

I will be out of the office March 30 – April 1, 2022. Jim Kirages and Curt Tyra may sign documents in my absence Personnel related matters are excluded from this authorization.

Thank you,

Rafael Basso Vice President, Operations