

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 E-mail: esp@idem.IN.gov

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	IATION			
Name of facility	1 AGILIT IN ON	ATION			
Madison Chemical Company, Inc					
Name of parent company (if applicable)					
Street address (number and street) 3141 Clifty Drive					
City / State / ZIP code Madison, IN 47250					
County Jefferson		y e			
Website of facility / company www.madchem.com					
How many employees (full time equivalents	e) currently work at your facility?				
	CONTACT INFOR	MATION			
Name of Primary Contact (Mr. / Mrs. / Ms. / Dr. Steve Preece	Dr.)	Title Technical Director			
Telephone number (812) 274-4413	Mobile phone number (860) 951-2556	E-mail address steve.preece@madchem.com			
Mailing address (if different from facility add	dress)				
City / State / ZID Code					
City / State / ZIP Code		*			
Name of Secondary Contact (Mr. / Mrs. / M Ms. Lexi Bennett	s. / Dr.)	Title EHS Specialist			
Telephone number (812) 274-4443	Mobile phone number (812) 801-5121	E-mail address lexi.bennett@madchem.com			
Mailing address (if different from facility address)					
City / State / ZIP Code					
	DEDODTING DE	nion.			
Reporting period dates from prior calendar	REPORTING PE	RIOD			
01/01/2021 - 12/31/2021					
1a. Is this the fourth ESP Annual Performance Report of your membership term?					
☐ Yes—If yes, answer question 1b. ■ No—If no, skip to 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 complete all sections of this annual report. □ No—If no, please complete all sections of this annual report except for Section F. 				
☐ No—II No, please	CHANGE IN INFORMATION			
In your ESP application a	nd, perhaps, in previous annual performance reports, you described what	your facility does or makes. Have there been any		
_	please describe them:			
■ No	a de la companya de l			
public.	environmental information was shared with the	What do you need to do? Describe how the facility has shared and plans to share environmental information.		
report publicly on its envir	e activities that your facility conducted during this reporting period to inter- ronmental performance.	act with the community on environmental issues and to		
Please indicate which of t as many as appropriate.	the following methods your facility plans to use to make its ESP Annual Pe	erformance Report available to the public. Please check		
Web site (http://www.	nadchem.com) Open house	s releases		
	plemented an EMS that meets certain 1001 EMS Lead Auditor at least every	SESSMENT What do you need to do? Answer the following questions about your EMS.		
1. What is the most rec	ent date that an ISO 14001 EMS Lead Auditor performed an EMS assess	ment at your facility? 9/29/2021 to 10/1/2021		
Name, title, and orga Christian Mielke, SAI Global Audit T	anization of ISO 14001 EMS Lead Auditor who conducted the most recent ream Leader, SAI Global	EMS assessment:		
3. Is the date of the mo	st recent EMS assessment performed by an ISO 14001 EMS Lead Audito	or within the past thirty-six (36) months?		
	s, skip to Question 4.			
No—If no, p	please have your ISO 14001 EMS Lead Auditor complete and sign the fol s the listed criteria for ESP membership:	llowing checklist, indicating whether or not your EMS		
Yes No	Evidence of senior management support, commitment, and approval.			
Yes No	A written environmental policy directed toward compliance, pollution pre	evention, 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 environmental impacts and applicable laws and regulations.	aspects deemed significant considering, at the minimum,		
Yes No	Established priorities, and environmental objectives and targets for confor ensuring compliance with applicable environmental laws, regulations beyond current legal requirements and specify the environmental media implementation activities, and projected time frames.	s, and permit conditions. Objectives and targets must go		
Yes No	An established community outreach mechanism that includes identifyin community of important matters that affect the community; and reportin environmental policy and significant aspects.			
Yes No	Incorporation of environmental and pollution prevention planning in the and modifications of existing processes.	development of new products, processes, and services		
Yes No	Evidence of clear responsibility for implementation, training, monitoring compliance with applicable environmental laws, regulations, and permit			
Yes No	Documentation of the implementation procedures and the results of imp	plementation.		
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 140	001 EMS Lead Auditor	Date (month, day, year)		

SEC	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:
	■ No
	III 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
7.	When was the last Senior Management review of your EMS completed? Month / Year: October/2021 Who headed the review (name and title)? Steve Preece, Technical Director
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: ISO 14001: 2015 Month(s) / Year(s): July - December 2021 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Trained Facility Staff
9. Incide	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? ntal chemical releases; emergency response plans were and have been effective. No changes
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.
Wh:	ADDITIONAL INFORMATION y do we need this information? What do you need to do? information will help IDEM to effectively manage the ironmental Stewardship Program.
1.	In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve (12) months.
2.	Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should
No	consider.

 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? 						
Are the ESP and/or Partners group meeting your expectations? Please provide feedback or suggestions. Yes. They are a great opportunity to connect and learn more information.						
SECTIO	DN D		ADDI	TIONAL INFORMATION (CONTI	INUED)	
		nember of Partne to pollution preve		r organization's pledge to the Parl	tners and provide additional information regarding	
Yes	No					
		Ensure en in the faction in the faction.		s commitment to P2 and understa	and their role in implementing P2 objectives and goals	
		2. Your facil	ity has incorporated P2 planning ir	the development of new product	ts, processes, and/or services.	
		Your facil	ity established a mechanism to mo	onitor waste generation and identi	fy realistic P2 goals.	
		4. Your facil	ity has established a process to lis	ten and respond to stakeholder c	oncerns.	
			ity makes available your general wif requested?	vaste reduction and P2 information	n to members of our community, IDEM, and the	
		6. Your facil	ity has participated in or conducted Prevention events, IDEM CTAP E-101 webin	d outreach activities that include of ar, applied for and attended meetings about	details of your P2 efforts; please specify: IDEM Recycling Market Development Grant	
		7. Your facil	ity has participated in two or more	Partners meetings in the last yea	r	
	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. ENVIRONMENTAL IMPROVEMENT INITIATIVE 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.						
Catego	ry 1: Reduc	e NPEs	Baseline	Current		
Indicato	or 1: % of t	otal production	(indicate measurement unit)	(indicate measurement unit)	Cost Savings	
Calenda	ar year		2018	2021		
Actual	quantity (per year)	39,848 lbs	24,095 lbs		
Produc	tion unit (select one)	Earned Labor Hours Other specify (e.g. G		roduction lbs.	
Produc	tion Quan	ntity	22,797,961 lbs	26,062,572 lbs	NA	
			r production + Baseline year produ		18 006 lbs	
Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor -18,006 lbs Briefly describe how you achieved improvements for environmental initiative #1 or, if relevant, any circumstances that delayed progress. NPE reduction was achieved by researching and replacing NPE surfactants when practical with more environmentally friendly materials. 2020 baseline is 26,322 lbs. baseline production 2020 is 23,832,186						
Initiative #2						
Category 2: Reduce Phosphorous in			Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings	
Calenda			2019	2021		
	quantity (ner vear)	1977 lbs	2074 lbs		

Actual quantity (per year)

Destruction with (and and and)	Earned Labor Hours	Production units X Pro	oduction lbs.			
Production unit (select one)	Other specify (e.g. Gall	ons, length, etc.)	a c			
Production Quantity	21,345,792 lbs	26,062,572 lbs	NA			
Normalization factor (Current year	Normalization factor (Current year production + Baseline year production) 1.22					
Normalized quantity (Actual current	nt year quantity - Actual baseline	quantity) x Normalization factor	118 lbs			
Phospohorus was reduced from 2020's actual helped reduce phosphorous to the current year	quantity of 2211 pounds that was due to pan 's actual quantity of 2074 pounds.	demic related sales of products that resu	circumstances that delayed progress. It in higher levels of phosphorus. Those sales have decreased which has			
2020 baseline is 2,211 lbs. B	aseline production in 2020 i	\$ 23,832,186				
Initiative #3	8.7		3 *			
Category 3: VOC Reduction Indicator 3: % of lbs produced	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings			
Calendar year	2020	2021	•			
Actual quantity (per year)	456,806	459,893				
Production unit (select one)	Earned Labor Hours Other specify (e.g. Gall		oduction lbs.			
Production Quantity	23,832,186	26,062,572	NA			
Normalization factor (Current year	production + Baseline year produ	uction) 1.09				
Normalized quantity (Actual current	nt year quantity - Actual baseline	quantity) x Normalization factor	3,365			
, , , , , , , , , , , , , , , , , , , ,	1 14 (1 1 1 1 1 1	initiative #3 or, if relevant, any	circumstances that delayed progress.			
We reduced VOCs by developing lower-VOC p 2020 VOC/production lb.=0	200-2008 - 1. 1880 - 2008 - 1880 - 1880 - 1885 - 1885 - 1885 - 1885 - 1885 - 1885 - 1885 - 1885 - 1885 - 1885	tion lb.=0.017646. Total d	ecrease in VOC =43,376.22 lbs			
SECTION E	ENVIRONMENTA	L IMPROVEMENT INITIATIVE CONTINUED	RESULTS			
Briefly describe the impacts or to the impacts of the impacts or to the impacts of the impacts or to the impacts or to the impact of the impacts of the impact of the impacts of the impact of the	wastes eliminated resulting from t		f multiple initiatives, please indicate which specifically.			
1. Briefly describe the <i>impacts or wastes</i> eliminated resulting from the environmental initiative(s). If multiple initiatives, please indicate which specifically. Initiative 1: We reduced use of nonylphenol ethoxylate surfactants in both actual pounds used and as a percentage of total pounds of product blended during the reporting year. Initiative 2: We reduced pounds of Phosphorous discharged as well as pounds of Phosphorous discharged as a percentage of total pounds manufactured during the reporting year. Initiative 3: We reduced the percentage VOCs per total pounds manufactured during the reporting year although the total pounds of VOC slightly increased.						
initiative 3. We reduced the percentage voca	per total pourtes manufactures suring the re-	porting year autrough the total pourities of	vee signify indicased.			
0	ant annoting (DMDs) was an abo		10			
2. Are there other best management practices (BMPs) you can share correlating to your initiative(s)? Madison Chemical operates an on-site biological wastewater treatment system, which mitigates much of the organic material used in the chemical blending process. The facility is desgined to prevent any material to escape to the environment due to built-in building containment. All process rinse waters are captureed and their ultimate fate (processing in the wastewater system or removal by a qualified third						
party) are under complete control of Madison C	Chemical.					
If the objectives and targets ass	ociated with the environmental in	nprovement initiative(s) were no	ot attained, please verify continued progress toward the			
 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. 						
While the total pounds of VOC slightly increased, we did obtain a reduction in the percentage of VOCs per total pounds manufactured during the reporting year. Last year on our Annual Progress Report, we aimed to have 500,000 lbs to account for increased production, and we were able to stay under that level for 2021. While phosphorous did not decrease as much to be lower than 2019, we were able to decrease from 2020 levels. Our average phosphosous levels in our effluent measured to 289 mg/L, which is lower than the						
average phosphorous levels in 2019 at 292 mg	/L.					
Please provide a narrative summary of progress made toward <i>qualitative</i> , <i>significant</i> EMS objectives and targets, if any. These initiatives tie into our significant aspects and impacts identified in our ISO 14001 system by relating to hazardous chemical use and pollution potential, which improves conditions for our company and our						
community.	1	,				
 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). Nonylphenol ethoxylate surfactants are reportable through SARA 313 reporting and we report our total use of those surfactants. Phosphorous discharge is periodically monitored internally in our wastewater system. 						
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?						

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 2021	Future Year 2022	Unit
	☐ Recycled content			☐ Pounds, ☐ tons☐ gallons
☐ Material Procurement	☐ Hazardous/foxic components	a di		☐ Pounds, ☐ tons☐ gallons
Suppliers' Environmental Performance	☐ Specify indicator:			As specified for the particular indicator
, ,	☐ Materials used			☐ Pounds, ☐ tons☐ gallons
☐ Material Use	☐ Hazardous materials used	9		☐ Pounds, ☐ tons☐ gallons
	Ozone depleting substances used			CFC-11 equivalent pounds
	☐ Total packaging materials used			Pounds, tons
☐ Water Use	☐ Total water used			Gallons
	☐ Electricity			☐ kWh, ☐ MWh
9	☐ Steam			☐ kWh, ☐ MWh, ☐ gallons, ☐ ft³
	☐ Natural gas			☐ Btu, ☐ MMBtu
	Diesel			Gallons
	Propane / LPG	6		☐ 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 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	(4)		☐ Pounds, ☐ tons
☐ Air Emissions	☐ Air toxics			☐ Pounds, ☐ tons
5 5	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 2021	Future Year 20	Unit
	☐ Landfill			□Pounds, □ tons
☐ Non-hazardous Waste ☐ Hazardous Waste	☐ Incineration			□Pounds, □ tons
	☐ Reused/recycled off-site			☐Pounds, ☐ tons, ☐gallons
	Other: Sent off site	11,137		Pounds, tons,
□ Noise	□ Noise			dBA
☐ Vibration	☐ Vibration			Inches per second
Vibration	U VIDIALIOIT		·	□kWh, □ MWh,
	Expected lifetime energy use			☐ 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
		NVIRONMENTAL IMPROVEI CONTINUED live in nature, please describe		
N/A				
What activities or process or	changes do you plan to undertake at you	ur facility to accomplish your	future initiative (e.g. tech	nology changes in a
particular process line, emp		ur racility to accomplish your	future initiative (e.g., tech	flology changes in a
We plan to work towards decreasing hazard	dous waste sent off site by looking for alternative mea	ans of using the material such as rewor	rking and/or reformulating and by	having better control of our inventory.
	ddress 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:				
	CERTIFIC	ATION AND PLEDGE		
On behalf of (name of facility)	dison Chemical Company, Inc.			
On behalf of (harrie of facility)	Management (a) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		- I - I - I - I - I - I - I - I - I - I	
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.				
Madison Chemical Company, Inc.	20 200 200			
We, Madison Chemical Company, 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				
	e must meet the requirement of implement		시 : : : : : : : : : : : : : : : : : : :	
membership (for a total of four (4	4) initiatives), that the Annual Performan	nce Report must be submitted		
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.				
r chomance report.	1200			
Signature		1		Date (month, day, year)
			3	3/16/2022
Printed signature Lexi Bennett		**************************************	Title EHS Specialist	