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Green Tier Commitment Outline for Plastic Ingenuity, Inc. – Cross Plains and Mazomanie facilities

Approval Date – October 29, 2007

Commitment Outline Updated: 8/31/2020

The updates since participation started are:

- Change of SPOC phone number
- Change of annual report due date from 1/31 to 3/1 starting with 2019 report.
- Change of project coordinator
- Change of SPOC
- Functionally Equivalent EMS is used
- Updated general content, format and links

I. Environmental Management Systems (EMS) & Audit Requirements

Your EMS must either be ISO-certified, or you must demonstrate that it is functionally equivalent. For information on how to demonstrate the functional equivalency of your EMS, please see: <https://dnr.wi.gov/files/PDF/pubs/co/CO503.pdf>

You have agreed to implement your EMS on or before **January 3, 2008**. Within 30 days please email your EMS implementation date to: GreenTier@Wisconsin.gov, your Project Coordinator, Shelley.Heilman@Wisconsin.gov and your Single Point of Contact (SPOC), Cynthia.Koepke@wisconsin.gov

To maintain good standing with Green Tier EMS requirements:

- A. On or before, **January 3, 2008** and every year after that, perform an environmental management system audit. The department recommends that your first audit be completed by a DNR-approved outside EMS auditor. The list of approved auditors can be found at: <https://dnr.wi.gov/topic/GreenTier/Auditors.html>
- B. On or before, **January 3, 2010** and every third year, this audit **must** be completed by a DNR-approved outside EMS auditor.

II. Provide an Annual Report

- A. **Annual Report Due Date** - We have mutually agreed that the deadline for your Green Tier annual report is **March 1**. (Please feel free to discuss alternative reporting dates with your Project Coordinator, Shelley.Heilman@Wisconsin.gov should your needs change.)

Reporting on Environmental Performance Commitments: Your first report should follow the annual report instructions provided below and should provide data on your progress toward meeting your environmental performance commitments laid out in your Green Tier application or your previous year's Green Tier annual report.

Annually, you will need to report progress on the commitments that you have made. For more details about annual reports and metrics, see the annual report instructions provided on the website; <https://dnr.wi.gov/topic/GreenTier/ReportInstructions.html>

- B. Please submit Green Tier Annual Reports to: GreenTier@Wisconsin.gov and your Single Point of Contact (SPOC), Cynthia.Koepke@wisconsin.gov

III. Work toward Superior Environmental Performance

Implement environmental improvements that aim to achieve Superior Environmental Performance as defined in Green Tier law. This means environmental performance that results in measurable or discernible improvement in the quality of the air, water, land, or natural resources, or in the protection of the environment, beyond that which is achieved under environmental requirements. More information on Superior Environmental Performance can be found here:

<https://dnr.wi.gov/topic/GreenTier/SuperiorEnvironmentalPerformance.html>

IV. Green Tier - Tier 1 – DNR Commitments

- A. **Single Point of Contact (SPOC):** Your single point of contact or SPOC is your liaison to the department, answering your questions or making connections within DNR or with other experts. Your SPOC is: Cindy Koepke - DNR, Phone: 608-2192181, Cynthia.Koepke@wisconsin.gov
- B. **Green Tier Logo:** Green Tier participants may use the Green Tier logo on stationery, promotional and educational materials related to your facility. Logo files as well as the Green Tier Style Guide with additional guidelines and information are available online at: <https://wi-dnr.widencollective.com/portals/nkc57xuv/GreenTierBranding>. Your Project Coordinator can provide you with the current access code.
- C. **Recognition:** Along with the certificate of recognition, the department will host a [participant web page](#) for easy reference. Participants should provide information and pictures on their environmental efforts to populate the webpage. We will also promote your successes throughout your tenure in Green Tier using a variety of DNR communication channels.
- D. **Project Coordinators:** You should also feel free to contact your Project Coordinator for Green Tier specific information. Project Coordinators provide support to SPOCs and participants providing reminders on Green Tier requirement dates and by promoting a participant's successes. Your project coordinator is: Shelley Heilman, Phone 608-267-0873, Shelley.Heilman@Wisconsin.gov
- E. **Minimum Inspection Frequency:** When you have implemented an EMS, you are entitled to inspections at the lowest frequency permitted by the programs under law. The department will work with you to determine how this will work for you.
- F. **Deferred Civil Action:** You are entitled to Deferred Civil Enforcement as described in statutes (299.83(6m)(d)). If you discover a violation of an existing environmental requirement, you are entitled to protection from any civil penalties that the department might otherwise impose if you:
 - 1. Notify the department
 - 2. Provide a corrective action plan and documentation of your Environmental Management System (EMS) adjustments that ensure the violation will not happen again, and
 - 3. Correct the violations within 90 days



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Matthew Frank, Secretary

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October 29, 2007

Mr. Thomas J. Kuehn, President
Plastic Ingenuity, Inc.
1017 Park Street
Cross Plains, WI 53528-9630

Subject: Acceptance Letter for Tier 1 of Green Tier

Dear Mr. Kuehn:

Congratulations! The Wisconsin Department of Natural Resources (DNR) is pleased to approve your application and accept you into Green Tier. This letter of acceptance covers all facilities and activities outlined by your application. This letter of acceptance is issued in accordance with The Environmental Results Program Act, as authorized by Wisconsin Statute section 299.83, effective May 1, 2004, when 2003 Wisconsin Act 276, commonly referred to as the "Green Tier Law", was signed into law.

This letter of acceptance recognizes Plastic Ingenuity Inc.'s previous achievements in environmental management and your future projects and goals as described in your application (see attached). Your participation in the Green Tier program reflects your commitment to improving Wisconsin's environment through superior environmental performance. This letter serves as an acceptance of the commitments your facilities have agreed to in your application. Should circumstances arise that may prevent the fulfillment of these commitments, please notify us.

By entering the Green Tier Program, you have agreed to develop and pursue goals to improve your environmental performance beyond compliance through the implementation of an Environmental Management System (EMS). Furthermore, you have committed to certifying your EMS to the ISO 14001 standard by January 3, 2008. If you choose not to certify your EMS to ISO 14001, please document that it is functionally equivalent by following the guidance (see attached). You have also committed to perform an annual audit of your EMS, with every third audit performed by an outside environmental auditor approved by DNR.

As a part of your commitments, you have agreed to annually submit to DNR a progress report regarding your participation in the program. This report is expected to provide an update of your current objectives and targets, as well as discuss any measured progress made to those objectives stated in your EMS or on your application. You should also provide the results of your annual EMS audit, describing any non-conformances discovered by it and identifying actions taken or proposed to correct them. Your first annual report would be due January 31, 2009.

We also encourage you to consider including some of the attached list of generic environmental indicators in your annual report. Reporting this additional data is completely voluntary, but it can help to quantify your successes beyond those outlined in your EMS. This information will also paint a broad picture of the environmental performance of all Green Tier participants.

In recognition of Plastic Ingenuity Inc.'s diligent environmental stewardship as a Green Tier participant, and once you have established an EMS, DNR commits to inspect your facilities at the lowest frequency permitted by law, unless DNR has reason to believe the facility is out of compliance. In addition, you are entitled to Deferred Civil Enforcement as described in Wisconsin Statute section 299.83(6m)(d). In brief, if you discover either a non-conformance with your EMS, provide us notice of your discovery along with a corrective action plan that conforms to the requirements in the statute. DNR will not seek to impose penalties for the non-conformance or violation provided Plastic Ingenuity successfully implements the corrective action plan in a timely manner. Please note that nothing in this acceptance letter replaces any obligation that you have to report and correct any violations of law or regulation.

This letter authorizes your company to use the Green Tier logo on written materials related to your participating facilities. Please see the attached guidance sheet for further information regarding the use of the logo. Furthermore, you will receive a certificate that recognizes Plastic Ingenuity Inc.'s participation in Green Tier. The DNR has committed to annually celebrate your participation in the program through a press release, and will publicize Plastic Ingenuity Inc. as a participant in Green Tier on the DNR website.

Finally, Jean Unmuth has been assigned as your single point of contact. She can be reached at (608)935-1926 or at jean.unmuth@wisconsin.gov. Please contact Jean with any questions concerning communications with DNR, approvals you may be required to obtain, or for any technical assistance you need.

I want to welcome you as a Tier 1 company under the Environmental Results Program and encourage you to work toward Tier 2 status in the future.

Sincerely,

/s/ Matthew Frank

Matthew Frank,
Secretary

Cc: Mark McDermid – CO/7
Jean Unmuth – Dodgeville Service Center
Kim McCutcheon – Fitchburg Service Center

Attachments: Tier 1 Application
EMS Functional Equivalency Guidance
Generic Suite of Environmental Indicators
Green Tier Logo Guidelines

Notice: Collection of this information is authorized under s. 299.83 Wis. Stat. Participation in Green Tier and completion of this form are voluntary. Personal information collected on this form, including such data as your name, address, phone number, etc., will be used in the implementation of Green Tier and will be made broadly available under the Green Tier program. Information will also be made accessible to requesters under Wisconsin's Public Records Law (ss. 19.32 - 19.39, Wis. Stats.). If you need to request confidential treatment of any information in order to protect a trade secret, please contact a DNR representative *prior* to submitting this form. Applications must be considered complete by the DNR in order to be processed. For complete application instructions, see "Green Tier Application Instructions," publication number CO-501.

This application is for... (check one): Tier 1 Tier 2 (attach Letter of Intent to this form)

I. Applicant Information

Contact Name	Title		
Travis Ebel	Safety Director		
Street Address	City	State	ZIP Code
1017 Park Street	Cross Plains	WI	53528-9630
Telephone Number	Fax Number	E-mail Address	
(608) 798-3071	(608) 798-4452	tebel@plasticingenuity.com	

II. Facility Information

Facility Name	County		
Plastic Ingenuity, Inc.	Dane		
Street Address	City	State	ZIP Code
1017 Park Street	Cross Plains	WI	53528-9630
Mailing Address	City	State	ZIP Code
1017 Park Street	Cross Plains	WI	53528-9630

Please provide all DNR Facility Identification numbers (FID #) that apply to the covered facility or activity.

Cross Plains - WID058742875

III. Scope of Green Tier Participation (check one)

- This application covers all activities at the facility listed in Section II.
- This application covers all activities at more than one facility. For each facility to be covered under this application provide the information from Section II on a separate page labeled **Attachment 1**.
- This application **does not** cover all activities at every covered facility. Please describe the exact scope of activities and facilities to be covered in the program on a separate page labeled **Attachment 1**.

IV. Environmental Performance

Please provide the following information on a separate page labeled **Attachment 2**. Refer to the *Application Instructions* for definitions of environmental performance and superior environmental performance.

Tier 1 Applicants:

- Describe your past and current environmental performance with respect to each covered facility or activity included in this application. Within this attachment establish a baseline date against which future progress can be measured.
- Describe your future plans for enhancing the environment with respect to the same facilities/activities.

Tier 2 Applicants:

- Provide information demonstrating your record of superior environmental performance. Within this attachment establish a baseline date against which future progress can be measured.
- Describe the measures you propose to take to maintain and improve your superior environmental performance.

V. Environmental Management System (EMS)

- a. Have you implemented an EMS that is certified to the ISO 14001 standard? Yes No (circle one)
- b. Have you implemented an EMS that is functionally equivalent to ISO 14001? Yes No (circle one)

If you circled "No" for both questions, you are not eligible for Tier 2. Please proceed to Section VI only if you are applying for Tier 1.

If you circled "Yes" for either question, please provide a copy of the following documents labeled as **Attachment 3**:

- Proof of ISO 14001 certification OR functional equivalence (refer to *Application Instructions* for details)
- Environmental policy statement and scope statement
- Documented objectives and targets for the covered facilities/activities

VI. Public Notice/Stakeholder Identification

Please provide in a separate document labeled **Attachment 4** a list of stakeholders whom you know or expect will have a strong interest in your Green Tier application, as well as contact information for those stakeholders. This information will help DNR expedite the processing of your application. Tier 2 applicants must provide additional information about stakeholder involvement in a Letter of Intent. Refer to *Application Instructions* for details.

VII. Enforcement Record

Please review the Enforcement Record requirements described in the *Application Instructions* very carefully, and then check the appropriate box:

- All enforcement record requirements relevant to this application are satisfied.
- All enforcement record requirements relevant to this application are **not** currently satisfied. A waiver of the enforcement record requirements is requested.

If a waiver is requested, please provide information describing any requirements not met and a justification for the waiver request on a separate page labeled **Attachment 5**. Note that waivers will be granted only in exceptional circumstances.

VIII. Tier 1 Applicant Statement of Commitments

I commit with my signature to the following statements and certify that all information provided in this application is true and correct under penalty of law:

- Implement, within one year of the date of this application, an EMS for each covered facility or activity that is certified to the ISO 14001 standard or is functionally equivalent to ISO 14001 as determined by DNR.
- Conduct annual EMS audits, with every 3rd EMS audit performed by a DNR-approved outside environmental auditor.
- Submit to DNR an annual report on each EMS audit that is in compliance with s. 299.83(6m)(a), Wis. Stats.
- Submit to DNR an annual report on progress towards meeting objectives related to improved environmental performance for aspects regulated under chs. 29 to 31, 160, or 280 to 299, Wis. Stats., unregulated environmental aspects, or voluntary actions to restore, enhance, or preserve natural resources.

Applicant Signature PLASTIC INGENUITY, INC.

Date Signed

1/3/07
3/07

BY: Thomas J. Kuehn, President

IX. Tier 2 Applicant Statement of Commitments

I commit with my signature to the following statements and certify that all information provided in this application is true and correct under penalty of law:

- Conduct annual EMS audits performed by a DNR-approved outside environmental auditor.
- Conduct or have another person conduct an annual audit of compliance with environmental requirements that are applicable to the facilities and activities covered under Green Tier.
- Submit to DNR an annual report on each EMS audit that is in compliance with s. 299.83(6m)(a), Wis. Stats.
- Submit to DNR an annual report on each compliance audit that is in compliance with s. 299.83(6m)(a), Wis. Stats.

Applicant Signature

Date Signed

X. For Department Use Only

Date Received	Initials of Reviewer	Status	Date Returned to Applicant for Additional Information	Date Denied	Date Approved

PLASTIC INGENUITY GREEN TIER APPLICATION- TIER 1 ATTACHMENT 1

II. Facility Information

Facility Name- Plastic Ingenuity, Inc.

Street Address- 20 Industrial Drive

City – Mazomanie

State- WI

Zip- 53560

Mailing Address- 20 Industrial Drive

City- Mazomanie

State- WI

Zip Code- 53560

PLASTIC INGENUITY GREEN TIER APPLICATION- TIER 1 ATTACHMENT 2

IV. Environmental Performance

Since both Plastic Ingenuity (PI) facilities in Cross Plains and Mazomanie are Tier 1 applicants, the environmental performance section covers the effects, whether regulated or unregulated, of the PI facilities on the air, water, land and natural resources surrounding the sites.

The regulated effect of the two PI facilities to air, water, land and natural resources surrounding the site is as follows:

Stormwater Permit- Both facilities operate under SIC code 3089 as a plastic manufacturing operation. This SIC code designation requires a stormwater discharge permit under the WPDES program. However, since almost all of the industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt and/or runoff, a "No Exposure Certification" form (Form #3400-188) was submitted and approved by the WDNR in 2002 and 2005. The approval of this form verifies that a stormwater discharge permit is not needed at either site due to the lack of stormwater pollution.

Air Permit- Both the Cross Plains facility and the Mazomanie facility have been determined to be excluded from the need for a WDNR Air Quality Operating Permit. This was determined based both upon annual tracking of facility emissions and an August 28, 2006 verification from an outside consultant. Steven Klafka of Wingra Engineering completed the study. Copies of this report can be made available upon request. The Cross Plains location is a thermoforming-only facility. The Mazomanie facility both extrudes and thermoforms plastic.

Wastewater – The PI-Cross Plains facility does have a general WPDES permit (#WI-0044938-5) to discharge non contact cooling water or condensate and boiler water. However, the discharge of the non-contact cooling water has been directed to the sanitary sewer and the discharge of refrigerator condensate from their roof is pure drinking water and is not mixed with process emissions at exhaust points. Therefore, they have been advised that a WPDES permit is no longer needed and are submitting a letter to Richard Edwards of the WDNR requesting their permit be terminated. The PI-Mazomanie facility has never needed a WPDES permit.

The unregulated environmental performance of the two PI facilities follows:

PI-Cross Plains Facility

The PI facility in Cross Plains is located on 11 acres in the extreme western portion of the Village of Cross Plains consisting of a 4.8 acre manufacturing facility and a 1.5 acre parking lot. This facility is located on the banks of the Black Earth Creek which is designated a Class I trout stream. The site has two stormwater outfalls into the Black Earth Creek-one draining the north half of the building and one draining the south half.

Due to the location of the facility, PI has been environmentally pro-active for the past ten years, in implementing the following Best Management Practices on a voluntary basis:

1. Existing Stormwater Treatment Practices- PI has implemented practices which reduce discharge, remove pollutants and reduce the temperature of stormwater before it leaves the site and discharges to the creek. All of these practices were installed on a voluntary basis and funded privately by PI. These practices include the following:

- Stormwater filters installed in inlets on the south side parking lot to treat runoff,
- Stormwater filters installed for employee parking lot (northeast of Building) to treat runoff,
- Rock weeper dam for west roof discharge to reduce temperature and treat runoff,
- Rock rip-rap protection of ditch entering creek to protect banks and eliminate a pollution source,
- Two rain gardens installed on north side of building for roof discharge to reduce temperature and treat runoff,
- Grassed swale treatment of stormwater from both outfalls to the creek to treat runoff.

PI utilized the services of professional engineers and landscape architects to design and construct the rock weeper dam and rain gardens. PI staff inspects and maintains these practices on a monthly basis.

2. Future Stormwater Treatment Practices - Within the next two years, PI will continue implementing additional stormwater treatment and temperature control practices by:

- Providing funding and working with Park Elementary School to install additional rain gardens to control runoff from off-site areas,
- Installing additional rain gardens on the PI site in Cross Plains.
- Conduct temperature monitoring studies comparing the temperature of stormwater leaving their rooftop to that of stormwater leaving the rain garden.

3. Other Environmentally Sound Practices- Other environmental performance improvement projects in process or under consideration for Plastic Ingenuity's Cross Plains Facility include:

- Actively studying the use of photovoltaic power generation at the Cross Plains facility. Feasibility studies have been ordered from Wisconsin Focus on Energy and will be conducted in the very near future (2007).
- Replacing all T12 or metal halide lighting in Cross Plains Production and Warehouse with T8 lighting to reduce the energy consumption burden. This project was also completed in our Mazomanie facility. It is estimated that the total energy savings for this project is 1.5 million kilowatt hours.
- Hazardous waste generation has been reduced to the point where the facility has been reclassified as a Very Small Quantity Generator of hazardous wastes. In previous years, the facility was considered a Small Quantity Generator.
- While the facility is considered to be excluded from coverage of an air permit, a complete air emissions study was conducted by Wingra Engineering to verify that

the Cross Plains Facility is, in fact, operating within the parameters of applicable regulations. Emissions from the thermoforming process are filtered.

- Using “reject” heat from air compressor systems to heat the Cross Plains Facility’s Warehouse. The estimated time for payback of this initiative is over the course of one winter season.
- In the Production process, scrap material is ground into small pieces (regrind) for reuse in the extrusion and thermoforming process. This practice is beneficial for both the potential environmental impacts and financially for Plastic Ingenuity. Rather than landfilling this waste plastic, the facility reuses over 99% of the scrap generated in our processes. The remaining less than 1% is typically sold to other businesses for use rather than being destined for landfilling.

Once again, these practices will be implemented on a voluntary basis and paid by PI.

PI-Mazomanie Facility

The PI facility in Mazomanie is located in the Mazomanie Business Park at 20 Industrial Drive on a 10.14 acre site consisting of an 8 acre manufacturing/storage building and a 1 acre parking lot. The site is approximately 960 feet south of the Black Earth Creek.

1. Existing Stormwater Practices - The site was constructed in 2000 to meet the Dane County Stormwater and Erosion Control requirements. All stormwater discharge from the site is conveyed via grassed swales to a large stormwater detention basin prior to leaving the site. Since the underlying soils are well-graded sands, stormwater runoff is infiltrated along the bottom of the grassed swales and the detention basin. The combined swale/infiltration basins/infiltration provides stormwater treatment and reduces the temperature of stormwater.
2. Other Environmentally Sound Practices - Other environmental performance improvement projects in process or under consideration for Plastic Ingenuity’s Mazomanie Facility include:
 - Actively studying the use of photovoltaic power generation at the Mazomanie facility. Feasibility studies have been ordered and will be conducted in the very near future (2007).
 - Replacing all T12 or metal halide lighting in Mazomanie Facility with T8 lighting to reduce the energy consumption burden. It is estimated that the total energy savings between both plants for this project is 1.5 million kilowatt hours.
 - Hazardous waste generation has been reduced to the point where the facility is considered a Very Small Quantity Generator of hazardous wastes. In previous years, the facility was considered a Small Quantity Generator.
 - While the facility is considered to be excluded from coverage of an air permit, a complete air emissions study was conducted by Wingra Engineering to verify that the Mazomanie Facility is, in fact, operating within the parameters of applicable regulations. Emissions from both the thermoforming process and extrusion process are filtered.

- In the Production process, scrap material is ground into small pieces (regrind) for reuse in the extrusion and thermoforming process. This practice is beneficial for both Plastic Ingenuity and the environment. Rather than landfilling this waste plastic, the Mazomanie facility reuses more than 99% of the scrap generated in process. Residual scrap plastic may also be sold to other businesses for reuse rather than being landfilled.
- The Mazomanie facility has a heavy focus on extrusion of plastic sheet. The plastic sheet is extruded from small plastic pellets. These pellets can be lost to the environment during the transition points between railcar/semi trucks to facility silos. In the event of a “loss”, site personnel are trained in proper clean-up techniques. The use of “dry” clean up techniques is encouraged to eliminate the possibility of compounding the environmental impacts. The goal for the facility is to have no plastic pellet exposed to the environment. The Plastic Ingenuity Pellet Loss Program is available for viewing upon request.
- The Mazomanie facility recently conducted a wind power feasibility study. While the facility’s location is not a great candidate for a large turbine due to wind turbulence at certain heights, the facility is a potential candidate for use of a smaller power generating wind mill due to less turbulent winds at lower elevations. Research into the feasibility of installing a small power generating wind mill is continuing.

The past and future environmental practices at both PI facilities highlight the fact that PI has and continues to strive to achieve superior environmental performance as an important part of the culture of the company. The Green Tier program recognizes these efforts and rewards the companies that have achieved above normal environmental performance.