



DELAWARE DEPARTMENT OF  
**NATURAL RESOURCES AND  
ENVIRONMENTAL CONTROL**

**APPLICATION FOR A COASTAL ZONE ACT PERMIT**

**Division of Climate, Coastal, & Energy**

Goodwill of Delaware and Delaware County, Inc.

Glass Recycling

**Revised February 14, 2025**

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### Permit Application Instructions

1. Complete all parts of the application. If a section is not applicable to your project, state why; do not leave it blank. Each answer should contain enough information to stand alone without having to reference other parts of the application. Do not provide responses to multiple sections in a narrative form.
2. Include all attachments specifically listed in Part 11 of the application.
3. Provide references, data, and other documentation not specifically listed to support any analyses and adequately respond to the application.
4. Submit an electronic copy of the permit application to [CZA\\_Program@delaware.gov](mailto:CZA_Program@delaware.gov). Provide a hard copy of any schematics larger than 11x17 inches to:

DNREC Coastal Zone Act Program  
100 W. Water St., Ste. 7B  
Dover, DE 19904

5. Include documentation for payment of the application fee. Acceptable payment types are ACH, money orders, or checks. Make checks payable to "State of Delaware."
6. Be advised that the application for a Delaware Coastal Zone Act Permit is a public document, which will be displayed on the internet. If this application requires you to place confidential information or data in the application to make it administratively complete, note the Delaware Freedom of Information Act ([29 Delaware Code, Chapter 100](#)) and [DNREC's Freedom of Information Act Regulation](#), Section 6 (Requests for Confidentiality), for the proper procedure in requesting confidentiality.
7. An application will not be considered administratively complete until all required documentation has been provided and all parts of the application are complete and substantive, including a sufficient offset proposal.

*This application template was created by DNREC on September 1, 2021.*

**Part 1. Certification by the Applicant**

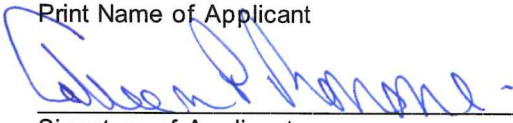
Under the penalty of perjury pursuant to 11 Delaware Code §1221-1235, I hereby certify that all the information contained in this Delaware Coastal Zone Act Permit Application and in any attachments is true and complete to the best of my belief.

I hereby acknowledge that any falsification or withholding of information will be grounds for denial of a Coastal Zone Permit.

I also hereby acknowledge that all information in this application will be public information subject to the Delaware Freedom of Information Act, except for clearly identified proprietary information agreed to by the Secretary of the Department of Natural Resources & Environmental Control.

Colleen P. Morrone

Print Name of Applicant



Signature of Applicant

President & Chief Executive Officer

Title



Date

## Part 2. Applicant Information and Site Identification

### 2.1 Identification of the applicant

**Goodwill of Delaware and Delaware County, Inc.**  
**300 E Lea Blvd, Wilmington, DE 19802**  
Phone Number: **302-761-4640**  
Fax: **302-762-3318**

### 2.2 Primary Contact: Preferred contact for your company in case DNREC needs to contact you regarding this application

**Colleen Morrone, President & Chief Executive Officer**  
Phone Number: **302-504-5734**  
Email: [cmorrone@goodwillde.org](mailto:cmorrone@goodwillde.org)

**Fabiana Otero, Sustainability Manager**  
Phone Number: **302-252-3210**  
Email: [fotero@goodwillde.org](mailto:fotero@goodwillde.org)

### 2.3 Authorized agent (if any): Provide written authorization from client to authorized agent

**No authorized agent.**

### 2.4 Project property location (street address, parcel number(s))

**Goodwill Outlet & Recycling Center**  
**400 Centerpoint Blvd, New Castle, DE 19720**  
Parcel number: **21-01300-102**

### 2.5 Map of appropriate scale to clearly show the project site

**See attachments:**  
[02.05\\_1\\_Glass Pulverizer Setup.pdf](#)  
[02.05\\_2\\_3801\\_001 Site Plan.pdf](#)  
[02.05\\_3\\_GRC Layout.pdf](#)

### 2.6 Is the applicant claiming confidentiality in any section of their application?

- ☐ Yes  
☒ No

If yes, refer to the instructions on page 4.

### **Part 3. Property Record and Evidence of Local Zoning and Planning Approval**

#### **3.1 Project Property Record**

##### **3.1.1 Name and address of project premises owner(s) of record**

**Luning Prak, LLC  
1625 Sonny Schultz Blvd, Stevensville, MD 21666**

##### **3.1.2 Name and address of project premises equitable owner(s)**

**Luning Prak, LLC  
1625 Sonny Schultz Blvd, Stevensville, MD 21666**

##### **3.1.3 Name and address of lessee(s)**

**Goodwill of Delaware and Delaware County, Inc.  
300 E Lea Blvd, Wilmington, DE 19802**

##### **3.1.4 Is the project premises under option by permit applicant?**

☐ Yes

☒ No

##### **3.1.5 What is the present zoning of the land for this entire project site?**

**21I - Industrial**

3.2 Evidence of Local Zoning and Planning Approval

I, Jeffrey Bergstrom, for New Castle City  
(County, City, or Town)

do hereby affirm that the project proposed by

Goodwill of Delaware and Delaware County, Inc.

located at

400 Centerpoint Blvd, New Castle, DE 19720

in the I - Industrial zoning district

is in full compliance with the zoning code as it applies to this project.

The above named applicant's project is in compliance with the adopted comprehensive development plan for the geographic area within which the project will be located.

  
Signature

Building Official  
Title

April 19, 2024  
Date

*While the applicant is strongly advised to use this form, the local zoning jurisdiction may utilize a different form or document to demonstrate "evidence of local zoning approval," provided such documents contain the same information above and are signed and dated by the proper official.*

## Part 4. Project Construction and Operations

- 4.1 Describe the step-by-step procedures or processes for site operations. Provide a flow diagram as an attachment to illustrate procedures.

*See attachments:*

[04.01\\_1\\_GWDE\\_Site Operations Process\\_Diagram.pdf](#)

[04.01\\_2\\_GWDE\\_Plan of Operations.pdf](#)

- a) Donated glass and ceramics are sorted for processing at the Goodwill Recycling Center
- b) Glass and ceramic materials are allocated to the pulverizing machine station
  - i) Glass and ceramic materials are placed on the conveyor hopper
  - ii) Go through the pulverizer
  - iii) Then the trommel separator separates the finer sand from the cullet
- c) The sand is removed and relocated to a container or trailer.
- d) The container/attachment is picked up by or delivered to our recycled sand partner

- 4.2 Describe the characteristics of all products utilized by the proposed project. Include in the description (using attachments, if necessary):

*See attachment:*

[04.02\\_GWDE\\_Sand TAL Metals Analysis.zip](#)

- a. the raw materials, intermediate products, byproducts, and final products and characteristics of each
  - Intermediate Materials: **Donated glass and ceramic materials are prioritized for reuse in Goodwill's retail locations. Materials which are not reusable will be directed to the pulverizer.**
  - Review any materials' risk of carcinogenicity, toxicity, mutagenicity, and/or the potential to contribute to the formation of smog. **Glass and ceramic are generally inert materials and not chemically reactive. There is no potential for our operations to contribute to the formation of smog.**
  - provide safety data sheets (SDS) if available. **This material is non-toxic.**
    - i. *See attachment:*  
[04.02\\_GWDE\\_Sand TAL Metals Analysis.zip](#)
- b. the nature of the materials mentioned above in 4.2(a) as to whether the materials require special means of storage or handling. **All employees working with the pulverizer machine will be provided with personal protective equipment (PPE) for protection from noise, dust, and sharp glass materials. The glass collected for input will not require special means of storage. The sand produced will be stored in either sandbags or an open-top container.**
- c. the size and contents of any anticipated aboveground or underground storage tank systems that may be constructed or utilized in support of facility operations. **No storage tank systems will be constructed or utilized.**
- d. the maximum production rate. **Approximately 400,000 pounds per year**

- 4.3 List the machinery (new and/or existing) to be utilized by this project. **The Andela GP-Mega Mini System made up of the following parts: Conveyor Model 14" TR, Pulverizer Model GPMM, Hydraulic Box Dumper, Optimal Misting System. Forklift.**

*See attachments:*

[04.03\\_1\\_GPMM-SYSTEM.pdf](#)

[04.03\\_2\\_GW-DEL Conveyor 14 inch GPMM Dimensional Specs and Parts List rev c.pdf](#)

[04.03\\_3\\_GW-DEL GPMM Dimensional Specs and Parts List.pdf](#)

[04.03\\_4\\_S2422395-AP-R1.pdf](#)

[04.03\\_5\\_Misting Pump Rev A 11-19-15.pdf](#)



- 4.4 Provide evidence that the applicant has, or will have, the ability to maintain and utilize all pollution control equipment/management techniques in a consistently proper and efficient manner (for example, college transcripts, certifications, records of training courses, summary of experience of person(s) responsible for maintaining the equipment, and/or copies of contracts with companies to be responsible for maintaining and utilizing this equipment) as attachments.

**Dave Spencer, Andela Products certified Installation supervisor and trainer, has provided in-person maintenance and operation training, which has been recorded and made available to our Goodwill operating team members. The Andela Products team will be used for support and to provide ongoing in-depth maintenance and training updates.**

*See attachments:*

[\*04.04\\_1\\_Conveyor Safety and Operation Manual-rev C.pdf\*](#)

[\*04.04\\_2\\_GPMM Safety and Operation Manual rev b.pdf\*](#)

- 4.5 List any new buildings or other facilities to be utilized. **No new buildings or facilities will be utilized.**
- 4.6 Describe daily hours of plant operations and the number of operating shifts. The machinery will operate. **2 days per week, 8 eight hours each day.**
- 4.7 How many acres of land in total are required for this proposed project?
- a. Existing/currently utilized/developed land: **Machinery will occupy approximately 180 sq ft of existing facility space. Goodwill leases 90,000 square feet of a 120,000 square feet building sitting on approximately 6.99 acres.**
  - b. New land: **No new land being utilized.**
- 4.8 Provide a site plan of this project as an attachment to this application with:
- See attachments:*
- [\*02.05\\_1\\_Glass Pulverizer Setup.pdf\*](#)
- [\*02.05\\_2\\_3801\\_001 Site Plan\*](#)
- [\*02.05\\_3\\_GRC Layout.pdf\*](#)
- [\*\(Figure 1\) 04.01\\_2\\_GWDE\\_Plan of Operations\*](#)
- a. a north arrow
  - b. a scale of not less than one inch to 200 feet
  - c. identity of the person responsible for the plan, including any licenses and their numbers
  - d. the acreage of the applicant's entire property and acreage of the proposed project **The acreage is approximately 6.99 acres.**
  - e. property lines of the entire property
  - f. lines designating the proposed project area for which this application is being filed, clearly distinguished from present facilities and operating areas (if any)
  - g. existing and proposed roads, railroads, parking and loading areas, piers, wharfs, and other transportation facilities
  - h. existing water bodies and wetlands and proposed dredge and fill areas
  - i. existing and proposed drainage ways, gas, electric, sewer, water, roads, and other rights-of-way

- 4.9 Provide a project timeline for the completion of the proposed project as an attachment to this application.  
*See attachment:*  
*04.09\_GWDE\_Project Timeline.pdf*
- 4.10 Provide information regarding other coordination with the Department, including additional permits applied for as part of the proposed project. **In addition to the coastal zone act permit, we are completing a recycling permit and air quality registration.**  
*See attachment:*  
*04.10\_GWDE\_Permit-Registration Contacts.pdf*

## Part 5. Environmental Impact of Proposed Use

Submit an Environmental Permit Application Background Statement as an attachment to this application (if applicable), pursuant to [7 Delaware Code, Chapter 79 §7902](#).

**See Attachment:**

**[05\\_Environmental Permit Application Background Statement.pdf](#)**

Describe environmental impacts of the proposed project for each of the following factors:

### 5.1 Air Pollution

- 5.1.1 Complete the chart below and describe project emissions (new, as well as any increase or decrease over current emissions) by type and amount under maximum operating conditions.

**Advised by Lindsay Rennie, DNREC DAQ. Calculations performed by Cyndy Andela, founder and president of Andela Products.**

Use EPA's AP-42 factor for stone crushing: <https://www.epa.gov/sites/default/files/2020-10/documents/c11s1902.pdf>

Explanation of factors and how to use them:

[https://www.epa.gov/system/files/documents/2024-01/introduction\\_2024.pdf](https://www.epa.gov/system/files/documents/2024-01/introduction_2024.pdf)

**See attachment:**

**[05.01.01\\_1\\_GWDE\\_EPA AP-42 Mineral Products Industry\\_Calculation.pdf](#)**

In addition to the calculations from the document above, DNREC's Division of Air Quality also recommended that we include tertiary crushing (controlled).

Each row of data for each table is a combination of the following controlled sources from EPA's AP-42 factor for stone crushing, Table 11.19.2-2: tertiary crushing, fines crushing, and fines screening.

Pollutant	Existing Emissions		Net Increase/Decrease		New Total Emissions		Percent Change (compare tons/year)
	Lbs/day	Tons/year	Lbs/day	Tons/year	Lbs/day	Tons/year	
PM2.5	0	0	0.00136	0.000017	0.00136	0.000017	100%
PM10	0	0	0.03152	0.000394	0.03152	0.000394	100%
Total PM	0	0	0.0624	0.00078	0.0624	0.00078	100%

Below are the emission calculations for the uncontrolled emissions. ND= no data

Pollutant	Existing Emissions		Net Increase/Decrease		New Total Emissions		Percent Change (compare tons/year)
	Lbs/day	Tons/year	Lbs/day	Tons/year	Lbs/day	Tons/year	
PM2.5	0	0	ND	ND	ND	ND	ND
PM10	0	0	.7152	0.00894	.7152	0.00894	100%
Total PM	0	0	2.7552	0.03444	2.7552	0.03444	100%

As mentioned before, this data is gathered from EPA's AP-42 factor for stone crushing, Table 11.19.2-2. The uncontrolled PM2.5 data for the three sources is listed as ND in the Table, which means 'no data'. The 'Total PM' in the second chart above does include PM2.5, so PM2.5 alone would not exceed 2 pounds per day (the value of the total PM minus the value of the PM10).

[See attachment:](#)  
[05.01.01\\_2\\_GWDE\\_Sand\\_Emissions-Production\\_CR2.xlsx](#)

5.1.2 Describe how the above emissions change in the event of a mechanical malfunction or human error. **To substantially prohibit dust, we have added an Optimal Misting System to the pulverizer machine. If the misting system malfunctions or goes down, we would cease operations of the machine. The pulverizer machine is powered by electricity (no petroleum utilized); therefore, no emissions are directly released from the operation.**

5.1.3 Describe any pollution control measures to be utilized to control emissions to the levels cited above in 5.1.1. **To substantially prohibit dust, we have added an Optimal Misting System to the pulverizer machine.**

[See attachment:](#)  
[04.03\\_5\\_Misting Pump Rev A 11-19-15.pdf](#)

5.2 Waste Generation

5.2.1 Will this project result in the generation of any solid waste?

☒ Yes  
☐ No

If yes, describe each solid waste type and volume (including biowastes) generated by this project and the means used to transport, store, and dispose of the waste(s). **Solid wastes produced from the pulverizer include metals, plastics, and paper that were either once part of the whole glass or ceramic item or incorrectly included in the collection of the glass and ceramic input. We estimate that the pulverizer separates out 10% of the total input weight as contaminants.**

5.2.2 Will there be any onsite recycling, reuse, or reclamation of solid wastes generated by this project?

☐ Yes  
☒ No

If yes, describe.

5.2.3 Will any waste material generated by this project be destroyed onsite?

☐ Yes  
☒ No

If yes, describe how.

5.2.4 Will the proposed project result in the generation of any hazardous waste as defined by the ["Delaware Regulations Governing Hazardous Waste"](#)?

☐ Yes  
☒ No

If yes, identify each hazardous waste, its volume, and how it is generated.

5.2.5 Describe the transport of any hazardous waste and list the permitted hazardous waste haulers that will be utilized. **There is no hazardous waste produced.**

5.2.6 Will the proposed project cause the applicant to store, treat, and/or dispose of hazardous waste?

☐ Yes  
☒ No

If yes, describe.

5.2.7 Does the applicant currently generate any hazardous waste at this stie?

☐ Yes

✓ No

If yes, describe.

5.3 Impacts to Flora and Fauna and Their Habitat(s)

5.3.1 Will the proposed project result in the loss of any undisturbed natural habitat or public use of tidal waters?

☐ Yes

✓ No

If yes, how many acres?

5.3.2 Do threatened or endangered species (as defined by DNREC and/or the Federal Endangered Species Act) exist at the site of the proposed project or immediately adjacent to it?

☐ Yes

✓ No

If yes, list each species.

5.3.3 Will the proposed project have any effect on any threatened or endangered species?

☐ Yes

✓ No

If yes, explain.

5.3.4 What assurances can be made that no threatened or endangered species exist on or near or will be affected by the proposed project site? **No threatened or endangered species will be impacted by this project.**

5.3.5 Will the proposed project have any effect on any other flora and/or fauna at the proposed project site?

☐ Yes

✓ No

If yes, describe.

5.4 Impacts to Wetlands

5.4.1 Will the proposed project result in the loss of any wetland habitat?

☐ Yes

✓ No

If yes, describe.

5.4.2 Will any wastewater and/or stormwater be discharged into a wetland?

- ☐ Yes  
☒ No

If yes, will the discharge water be of the same salinity as the receiving wetlands?

5.4.3 Describe any filling, dredging, or draining that may affect nearby wetlands or waterways. **None of these actions will be taken. The pulverizer is installed inside the existing Goodwill Recycling Center.**

5.5 Impacts to Site Drainage, Land Erosion, and Flood Control

5.5.1 If dredging is proposed, how much will occur and where will the dredged materials go for disposal? **Dredging will not occur.**

5.5.2 Will the proposed project's operations impact drainage at the site and/or in the surrounding area?

- ☐ Yes  
☒ No

If yes, describe.

5.5.3 Will the proposed project's operations result in changes in land erosion at the site and/or in the surrounding area?

- ☐ Yes  
☒ No

If yes, describe.

5.5.4 Will the proposed project's operations result in changes in flood control at the site and/or in the surrounding area?

- ☐ Yes  
☒ No

If yes, describe.

5.6 Impact on Water Quality and Quantity

5.6.1 Complete the chart below and describe wastewater discharge (new, as well as any increase or decrease compared to current discharge levels) due to project operations. **There is no wastewater produced or collected during our pulverizing operation. The water particles from the misting system are captured by the pulverized material that then gets collected as an output.**

Pollutant	Current Discharge Concentration (ppm)	New or Changed Discharge Concentration (ppm)	Current Discharge		Net Increase/Decrease		New Total Emissions	
			Lbs./day	Tons/year	Lbs./day	Tons/year	Lbs./day	Tons/year


- 5.6.2 Describe the current method of employee sanitary wastewater disposal and any proposed changes to that system due to this project. **The building where the pulverizer machine is located inside is serviced by a public sewer system and this project does not create any changes.**
- 5.6.3 Identify the number, location, and name of receiving water outfall(s) of any and all process wastewater discharge (new or current) affected by this proposed project. Provide NPDES Permit numbers for each discharge affected. **There is no wastewater produced or collected during our pulverizing operation. The water particles from the misting system are captured by the pulverized material that then gets collected as an output.**
- 5.6.4 Identify the number, location, and name of receiving waters of stormwater discharges. Provide permit number for each discharge. **We do not have stormwater discharges.**
- 5.6.5 Describe the sources of stormwater runoff (roofs, storage piles, parking lots, etc.) **Source of stormwater runoff is the parking lot.**
- 5.6.6 Describe the amount of stormwater runoff increase over current levels that will result from the proposed project. **There are no stormwater runoff changes or increase caused by the proposed project.**
- 5.6.7 Describe any pollutants likely to be in the stormwater. **There are no stormwater runoff changes or increase caused by the proposed project.**
- 5.6.8 Describe any pollution control device(s) or management technique(s) to be used to reduce the amount of stormwater generated, and devices to improve the quality of the stormwater runoff prior to discharge. **There are no stormwater runoff changes or increase caused by the proposed project.**
- 5.6.9 Describe any new or improved stormwater drainage system required to safely carry off stormwater without flooding the project site or neighboring areas down gradient. **There are no stormwater runoff changes or increase caused by the proposed project.**
- 5.6.10 Will this project result in a thermal discharge of water or an increase in the flow or temperature of a current thermal discharge?
- ☐ Yes
- ☒ No
- If yes, state:
- the volume of the new flow or increase from the existing thermal discharge, both in flow and amount of heat
  - how warm the water will be when it is discharged into a receiving waterway, discharge canal, or ditch, and what the difference in discharge temperature and ambient temperature will be at various seasons of the year after all cooling water mechanisms have been applied to the hot water

- c. the equipment and/or management techniques that will be used to reduce the thermal load of the discharge water

5.6.11 Will any proposed new discharge or change in existing discharge cause, or have potential to cause, or contribute to, the exceedance of applicable criteria appearing in the ["State of Delaware Surface Water Quality Standards"](#)?

☐ Yes

☒ No

If yes, explain.

5.6.12 Describe any oils discharged to surface waters due to this proposed project. **There are no oils discharged to surface waters due to this project.**

5.6.13 Describe any settleable or floating solid wastes discharged to surface waters due to this project. **There are no settleable or floating solid wastes discharged to surface waters due to this project.**

## 5.7 Water Needs

5.7.1 Estimate the amount of water to be used for each specified purpose, including cooling water. State:

a. daily and maximum water use in the unit of gallons per day for each purpose and source of water. **40-50 gallons a day (operating for 8 hours a day). Machine operation expected 2 days a week. Water is primarily absorbed in the sand, not expelled.**

b. whether water use will vary with the seasons, time of day, or other factors **Water use will not vary with the seasons.**

5.7.2 Identify the source of water needed for the proposed project, including potable water supplies. **The Misting System is connected to the city water line. The glass and ceramic items are not washed on-site prior to pulverizing.**

5.7.3 Are wells proposed to be used?

☐ Yes

☒ No

If yes, identify:

a. the aquifer to be pumped and the depth, size, and pumping capacity of the wells

b. if a permit has been applied for to do this

c. how close a proposed well is to any well(s) on adjacent lands

5.7.4 Will this project use a new water intake device or increase the use (flow) from an existing intake device?

☐ Yes

☒ No

If yes, state:



- a. the volume of water to be withdrawn and
  - b. describe what will be done to prevent entrainment and/or entrapment of aquatic life by the intake device.
- 5.8 Impacts from Glare, Heat, Noise, Vibration, Radiation, Electromagnetic Interference, and Obnoxious Odors
  - 5.8.1 Describe any impacts from the factors listed above in 5.8. **Pulverizer produces approximately 75 decibels. Loading of the hopper produces a maximum of about 100 decibels. There are no anticipated heat or vibration impacts associated with the operation of the pulverizer.**
  - 5.8.2 Identify any other similar impacts not listed. **There are no other impacts.**
  - 5.8.3 Describe any efforts to minimize and monitor such effects. **We will make modifications to the machine to greatly reduce the noise produced from depositing glass and ceramics into the tipper. We will also add extra caulking (sealant) to the machine crevices to ensure no spillage of broken pieces. These modifications are learned from other Goodwills with the same machine. Employees working with the machine will be provided with personal protective equipment (PPE) for noise and eye safety.**
- 5.9 Impacts of Raw Materials, Intermediate Materials, Byproducts, and Final Products
 

**We have tested Goodwill-produced sand, from donated glass and ceramic, using the TAL Metal Analysis required for the recycling permit. Please see the attachments below.**

**[See attachment: 04.02\\_GWDE\\_Sand TAL Metals Analysis.zip](#)**
- 5.10 Potential to Pollute
  - 5.10.1 Describe environmental impacts in the event of a major mechanical malfunction or human error for factors including: **If the misting system malfunctions or goes down, we would cease operations of the machine. The machine is powered by electricity, no petroleum, therefore no harmful emissions are released. There would be no impact.**
    - a. air – **no impact**
    - b. waste – **no impact**
    - c. flora, fauna, and habitat – **no impact**
    - d. wetlands – **no impact**
    - e. drainage, erosion, and flood control – **no impact**
    - f. water quality and quantity – **no impact**
    - g. glare, heat, noise, vibration, radiation, electromagnetic interference, and obnoxious odors – **no impact**
    - h. other notable factors – **no impact**
  - 5.10.2 Describe any backup controls, backup power, and safety provisions planned for this project to minimize any such accidents. **In the case of a power outage, the pulverizer would shut down. When not in use, there is no discharge to be mitigated.**

## Part 6. Economic Effects Analysis

Describe the economic effects of the proposed use, including the following elements:

### *Machine 2 days a week, 8 hours each day*

- 6.1 Jobs. **Once the machine is approved to begin production, we will use existing staff to run the machine. One full-time and permanent material handler will operate the pulverizer machine; more than one person will be trained in operating and maintaining the machine.**
- 6.1.1 How many additional full-time jobs will be created as a result of the proposed project? Will they be temporary or permanent? **Once the machine is approved to begin production, we will use existing staff to run the machine. One full-time and permanent material handler will operate the pulverizer machine; more than one person will be trained in operating and maintaining the machine.**
- 6.1.2 How many additional part-time jobs will be created as a result of the proposed project? Will they be temporary or permanent? **No part-time jobs will be created from this proposed project.**
- 6.1.3 If employment attributable to the proposed project will vary on a seasonal or periodic basis, explain the variation and estimate the number of employees involved. **Employment will not vary.**
- 6.1.4 Disclose any local hiring or purchasing preferences. **As a nonprofit social enterprise, our mission is based on workforce development: the opportunity to provide employment to people with barriers such as disabilities, formerly incarcerated, or out of the workforce for a long period of time.**
- 6.1.5 Disclose any community benefit agreements **There are no community benefit agreements.**
- 6.1.6 Will any workforce development or educational programs be implemented as a result of the proposed project? **A training program for over 400 employees regarding sustainability and the environment launched in August 2024. Specific upskilling in the operation and maintenance of the pulverizer machine will launch once all permits are obtained for the project.**
- 6.1.7 Estimate the weekly construction payroll **There is no weekly construction payroll.**
- 6.1.8 Estimate the percent distribution of annual wages and salaries (based on regular working hours) for employees attributable to this project

Wage/Salary	Percent of Employees
<\$10,000	
\$10,000-14,999	
\$15,000-24,999	
<b>\$25,000-34,999</b>	
<b>\$35,000-49,999</b>	
<b>\$50,000-64,999 management</b>	
\$65,000-79,000	
\$80,000-100,000	
>\$100,000	

- 6.2 Tax Revenues

- 6.2.1 Estimate the amount of tax revenues that will accrue to state and local government, including:  
**Goodwill is a non-profit. Once the machine is approved to begin production, we will use existing staff to run the machine. Currently no price is in place for the sand as we are looking for a buyer. No revenue is made from just running the machine.**
- a. property
  - b. gross receipts
  - c. personal income
  - d. any others
- 6.3 Estimate the economic impact of the project on individuals who are directly or indirectly dependent on natural resources from: **There will be no economic impact.**
- a. loss of natural habitat
  - b. degraded water
  - c. degraded air quality

#### Part 7. Aesthetic Effects

- 7.1 Describe whether the proposed project will be located on a site readily visible from a public road, residential area, public park, or other public meeting place (such as schools or cultural centers).  
**This project would *not* be visible from a public road, residential area, public park, or other public meeting place.**
- 7.2 Is the project site location within a half mile of a place of historic or scenic value?
- ☐ Yes
- ☒ No
- 7.3 Describe any previous attempt to make the proposed facility aesthetically compatible with its neighboring land uses (such as landscaping or screening). **There have not been any previous attempts to make the facility (that currently houses the pulverizer machine) aesthetically compatible with its neighboring land use.**
- 7.4 Describe any planned attempt to make the proposed facility aesthetically compatible with its neighboring land uses. Include schematic plans and/or drawings of the proposed project after it is complete, including any landscaping and screening. **There will not be any attempts to make the facility (that currently houses the pulverizer machine) aesthetically compatible with its neighboring land use.**

#### Part 8. Supporting Facilities Requirements

- 8.1 Describe the number and type of new supporting facilities and services that will be required as a result of the proposed project, including, but not limited to: **No new supporting facilities or services will be required.**
- a. Roads – **This is not required.**
  - b. Bridges - **This is not required.**
  - c. piers and/or docks - **This is not required.**
  - d. Railroads - **This is not required.**

- e. microwave towers - **This is not required.**
  - f. special fire protection services not now available - **This is not required.**
  - g. traffic signals - **This is not required.**
  - h. sewer expansion - **This is not required.**
  - i. energy-related facilities expansion - **This is not required.**
  - j. Pipelines - **This is not required.**
- 8.2 Describe the impact of such facilities on all factors listed in Parts 5, 6, 7, 9, and 10 of this application. **There are no impacts of such facilities.**  
*See attachment:*  
*04.02\_GWDE\_Sand TAL Metals Analysis.zip*

### **Part 9. Effects on Neighboring Land Uses**

- 9.1 How close is the nearest year-round residence to the site of the proposed project? **To the corner of 14<sup>th</sup> Street and Oak Street is approximately 550 meters (1,810 feet). To Heron Circle is approximately 335 meters (1,100 feet).**
- 9.2 Will the proposed project interfere with the public's use of existing public or private recreational facilities or resources?  
☐ Yes  
☒ No  
If yes, explain.
- 9.3 Will the proposed project interfere with public access to tidal waters?  
☐ Yes  
☒ No  
If yes, explain.
- 9.4 Will the proposed project utilize or interfere with agricultural areas?  
☐ Yes  
☒ No  
If yes, explain.
- 9.5 Is there the possibility that the proposed project could interfere with a nearby existing business, commercial, or manufacturing use?  
☐ Yes  
☒ No  
If yes, explain.

## Part 10. Offset Proposal

*Based on the environmental impact statement and the findings of BSTI, there are no negative environmental impacts and therefore there is no environmental impact to offset.*

*See attachment: 10\_GWDE\_Environmental Impact Statement.pdf*

- 10.1 Proposed projects with any negative environmental impacts must submit an Environmental Offset Proposal, including the following information:
- a. A qualitative and quantitative description of how the offset project will “clearly and demonstrably” more than offset the negative impacts from the proposed project. **No negative environmental impacts to offset.**
  - b. How the permittee plans to perform or complete the offset. **No negative environmental impacts to offset.**
  - c. Over what period of time the permittee plans to perform or complete offset project. **No negative environmental impacts to offset.**
  - d. Environmental benefits from the offset project and when they will be achieved. **No negative environmental impacts to offset.**
  - e. Scientific evidence concerning the efficacy of the offset project in producing its intended results. **No negative environmental impacts to offset.**
  - f. How the success or failure of the offset project will be measured, qualitatively and quantitatively, in both the short and long term. **No negative environmental impacts to offset.**
  - g. A monitoring schedule that describes a process for third-party verification of the offset project’s operation, completion, and efficacy. **No negative environmental impacts to offset.**
  - h. Any public outreach initiatives regarding the proposed project and the results of said initiatives. **Goodwill of Delaware and Delaware County, along with our partners at Goodwill of the Chesapeake and Goodwill of Greater Washington, have marketed and will continue to market our sustainability initiative of diversion through the aid of the pulverizer as such:**
    - a. <https://www.delawareonline.com/story/news/local/2024/05/28/goodwill-of-delaware-unveils-glass-pulverizer-machine-heres-how-it-works/73806743007/>
    - b. <https://www.goodwillde.org/blog/goodwill-collaborative-launches-sustainability-initiative-to-turn-unsellable-glass-into-valuable-sand/>
    - c. <https://www.cbsnews.com/philadelphia/news/goodwill-stores-new-glass-pulverizers-turn-unsellable-glass-into-sand/>
    - d. <https://delawarelive.com/goodwills-glass-pulverizer-and-sand-business/>
    - e. <https://www.waste360.com/glass/goodwill-of-delaware-unveils-glass-pulverizer-as-part-of-company-initiative>
    - f. <https://delawarebusinesstimes.com/news/goodwill-cuts-ribbon-on-green-manufacturing-initiative/>
    - g. <https://dredgewire.com/glass-to-sand-goodwill-of-delaware-unveils-new-recycling-machine/>
  - i. A description of the process used in identifying potential offset projects and the reason for any determination that it was not practicable to match the location, pollutant, or environmental medium of the proposed project’s environmental impacts. **No negative environmental impacts to offset.**
  - j. Any negative impacts associated with the offset project. **No negative environmental impacts to offset.**

10.2 Has the applicant undertaken any past voluntary improvements that may require them to provide less of an offset than applicants without a similar record of past achievements?

☐ Yes

☒ No

If yes, describe.

10.3 Complete the Coastal Zone Environmental Impact Offset Matrix at the end of Part 10.

10.3.1 List all environmental impacts in the column labeled "Describe Environmental Impacts"

10.3.2 Reference page numbers of the application or attachment that detail each environmental impact

10.3.3 Describe the environmental offset proposal for each impact

10.3.4 Reference page numbers of the application or attachment that detail the offset proposal

### Environmental Impact Offset Matrix

<b>Environmental Impact</b>	<b>Environmental Impact Description</b>	<b>Page #</b>	<b>Offset Proposal</b>	<b>Page #</b>
Air Pollution	There are no impacts to offset.		There are no impacts to offset.	
Solid Waste	There are no impacts to offset.		There are no impacts to offset.	
Hazardous Waste	There are no impacts to offset.		There are no impacts to offset.	
Flora and Fauna	There are no impacts to offset.		There are no impacts to offset.	
Threatened/Endangered Species	There are no impacts to offset.		There are no impacts to offset.	
Habitats	There are no impacts to offset.		There are no impacts to offset.	
Wetlands	There are no impacts to offset.		There are no impacts to offset.	
Site Drainage	There are no impacts to offset.		There are no impacts to offset.	
Land Erosion	There are no impacts to offset.		There are no impacts to offset.	
Flood Control	There are no impacts to offset.		There are no impacts to offset.	
Surface Water	There are no impacts to offset.		There are no impacts to offset.	
Groundwater	There are no impacts to offset.		There are no impacts to offset.	
Water for Processing	There are no impacts to offset.		There are no impacts to offset.	
Water for Cooling	There are no impacts to offset.		There are no impacts to offset.	
Water for Effluent Removal	There are no impacts to offset.		There are no impacts to offset.	
Glare	There are no impacts to offset.		There are no impacts to offset.	
Heat	There are no impacts to offset.		There are no impacts to offset.	
Noise	There are no impacts to offset.		There are no impacts to offset.	

Odors	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Vibration	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Radiation	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Electromagnetic Interference	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Raw Materials	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Intermediate Products	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Byproducts	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Final Products	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	
Other Effects	<b>There are no impacts to offset.</b>		<b>There are no impacts to offset.</b>	



**Part 11. Attachments or Appendices (figures, tables, maps, forms, etc.)**

- 11.1 Attachments to this application must include the following documentation, in addition to any documentation not specifically mentioned that may be necessary to fully complete each response:

**See mentions of “See attachments” throughout the document.**

Map of Project Location

Process Diagram

Safety Data Sheets

Project Site Plan

Project Timeline

Evidence of Ability to Operate Pollution Control Equipment

Environmental Permit Application Background Statement