

# Office of the Minnesota Secretary of State

Minnesota Public Benefit Corporation / Annual Benefit Report

Minnesota Statutes, Chapter 304A



Read the instructions before completing this form Must be filed by March 31 Filing Fee: \$55 for expedited service in-person, \$35 if submitted by mail

| Notice: Failure to file this form                                                          | ers the 12 month period ending on December 31 of the previous year.<br>by March 31 of this year will result in the revocation of the corporation's public benefit<br>om the Secretary of State, pursuant to Minnesota Statutes, Section 304A.301                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Corporate Name: (Required)                                                              | Minnepura Technologies, SBC                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. The public benefit corporation                                                          | s board of directors has reviewed and approved this report.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3. In the field below, enter the info<br>(see instructions for further info                | formation required by section 304A.301 subd. 2 or 3 for the period covered by this report, mation): Note: Use additional sheets if needed. (Required)                                                                                                                                                                                                                                                                                                                                                  |
| Please sec                                                                                 | e attached Annual Benefit Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| this document no more than 30 current when signed. I further can correct and in compliance | I am the chief executive officer of this public benefit corporation. I further certify that I have signed days before the document is delivered to the secretary of state for filing, and that this document is certify that I have completed all required fields, and that the information in this document is true with the applicable chapter of Minnesota Statutes. I understand that by signing this document perjury as set forth in Section 609.48 as if I had signed this document under oath. |
| Signature of Public Benefit Co<br>2/10/2017                                                | poration's Chief Executive Officer                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Date (Must be dated within 30                                                              | days before the report is delivered to the Secretary of State for Filing)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Email Address for Official Not</b>                                                      | ces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Enter an email address to which prhansen@minnep                                            | he Secretary of State can forward official notices required by law and other notices:  URA.COM                                                                                                                                                                                                                                                                                                                                                                                                         |
| Check here to have your ema                                                                | il address excluded from requests for bulk data, to the extent allowed by Minnesota law.                                                                                                                                                                                                                                                                                                                                                                                                               |
| List a name and daytime phone                                                              | number of a person who can be contacted about this form:                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Paul R. Hansen                                                                             | 651-402-6153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Contact Name                                                                               | Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Entities that own, lease, or have with the MN Dept. of Agricultu                           | any financial interest in agricultural land or land capable of being farmed must register<br>re's Corporate Farm Program.                                                                                                                                                                                                                                                                                                                                                                              |
| Does this entity own, lease, or have Yes No                                                | e any financial interest in agricultural land or land capable of being farmed?                                                                                                                                                                                                                                                                                                                                                                                                                         |

# Annual Benefit Report of Minnepura Technologies, Minnesota Specific Benefit Corporation

February 28, 2017

History of Minnepura Technologies

Minnepura Technologies is an early-stage technology spin-off from the University of Minnesota. The company's patented technology harnesses nature's own capabilities to make contaminated water safe and useful again. With industry partners, we are developing ways to select and stabilize biodegrading microbes so they can be deployed when and where needed to mitigate some of the most challenging pollutants in water.

Our technology has applications in dozens of different market segments and could address many different social and environmental challenges including: cleanup of herbicides and/or pesticides from agricultural run-off, removal of trace elements of pharmaceutical and personal care products from municipal water supplies, elimination of extremely-difficult-to-remove toxins from industrial waste streams, removal of cyanuric acid from commercial and residential pools and spas, removal of carcinogenic hydrocarbons from produced waters, and several other impactful applications.

#### Election as Specific Benefit Corporation

In September of 2016 the company's board approved the transition from a Delaware business corporation to a Minnesota Specific Benefit Corporation with the express benefit purpose of:

### "Cleaning water to improve the human condition"

This structure reflects our founders' and CEO's values and is well aligned with our business objectives, goals and company culture. In short, it offers a way to formally align our financial and social objectives for this technology and to keep that alignment as the company grows.

As part of the transition into a Minnesota SBC, the Board approved a company logic model to articulate its plans for making and measuring its intended impact as an organization. This logic model will help quide the board and business leadership when making strategic decisions, prioritizing market opportunities, and evaluating organizational success.

Based on our logic model, in the future, we intend to calculate and track quarterly the volume of water (measured in gallons) that is saved or improved for safe re-use as a direct result of Minnepura's technology. Because our solutions are deployed into waste streams where we can measure pre and post contaminant levels, we anticipate that gathering accurate and meaningful measurements of this outcome will be feasible and relatively straightforward. When and where it is possible and reasonable, we also hope to be able to share how cleaning this water is helping to improve the human condition.

#### 2016 Activities

Throughout 2016, Minnepura partnered with variety of organizations including a US governmental agency as well as national, international, and global companies to develop product concepts and working prototypes in the areas of agriculture runoff remediation, remediation of commercial and residential pool water, and remediation of industrial process steams.

One example of such a partnership is the \$150,000 Small Business Innovation Research (SBIR) grant that Minnepura received from the National Science Foundation (NSF) to design, construct, and test encapsulated microbial materials to eliminate hard-to-remove and potentially hazardous chemicals from produced waters that are often byproducts of oil and gas industry processes. While this project encountered some unforeseen technical challenges, it resulted in the discovery of a simpler and potentially more effective delivery mechanism for removing not only carcinogenic hydrocarbons but many other contaminates across a variety of waste streams. Modified with this new delivery mechanism, our core technology could have more immediate commercialization opportunities in areas with broad positive impact on both human health and safety and protection of the environment.

The product concepts that Minnepura has been developing through partnerships are not yet ready for market and are therefore not yet achieving the broader social and environmental impacts we desire. While significant scale-up and cost challenges remain to be overcome, a number of prototypes developed in 2016 have been largely successful in field testing. We are optimistic that the first of Minnepura's remediation products will be commercialized in the third quarter of 2017, and at that time, we expect to begin making more meaningful and measureable impact.

**Ongoing Challenges** 

Like most start-ups, Minnepura faces a number of ongoing challenges that it must overcome to begin achieving its desired impact and financial success. These challenges include developing and improving our cutting-edge technologies with limited resources, cost effective manufacturing scale-up, and attracting adequate investment capital. The company is appreciative of a multi-year, low-interest loan from the Jeanne M. Voigt Foundation to accelerate the development and commercialization of Minnepura's technology in applications that will protect the natural environment for the benefit of the public and preserve natural resources for future generations.

Certification

I, Paul R. Hansen certify that Minnepura Technologies, SBC has met all terms and conditions of the Minnesota Specific Benefit Corporation and that the Board of Director's has reviewed and approved the 2016 Public Benefit Report.

2/10/2017 Date Paul R. Hansen President & CEO

Minnepura Technologies, SBC



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OFFICE OF THE SECRETARY OF STATE
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Steve Simon Secretary of State

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