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## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 25, 2024

Mr. Mark Smith, Business Development  
Global Inventive Industries, Inc. DBA ECOJOHN  
6148 Getty Drive,  
North Little Rock, Arkansas, 72117

Re: Approval of proprietary On-Site Sewage Facility (OSSF) treatment system for:  
Ecojohn  
Incinerator Toilets Models: WC5, WC32, WC48, and WC64

Dear Mark Smith:

We have received your request for a Texas Commission on Environmental Quality (TCEQ) review of the above-referenced proprietary system, with supporting documentation, on May 7, September 4, September 10 and September 24, 2024. Cindy Rojas Annicchiarico of the TCEQ Technical Programs Team conducted the review, as required by 30 Texas Administrative Code (TAC) §285.5(b)(3). After reviewing your request and supporting documentation, TCEQ has determined that the Incinerating Toilets WC5, WC32, WC48, and the WC64 models meet applicable technical requirements for OSSF treatment products. **This letter serves as notification of approval for use in the State of Texas as an approved proprietary system.** Please be advised, the review of individual OSSF applications is a separate action and this letter is not an authorization to install an individual OSSF.

This approval for the Incinerating Toilets WC5, WC32, WC48, and the WC64 models is based on:

1. The testing of the WC5 model under the NSF Protocol P157 for Electrical Incinerating Toilets.
2. NSF Scale-up report which stated that the WC32, WC48, and WC64 models meet the criteria of demonstrating improved efficiency as the models' size increases. NSF added the following systems to listing, without further testing:
  - o WC32 - Rated Daily Use: 4 people
  - o WC48 - Rated Daily Use: 8 people
  - o WC64 - Rated Daily Use: 16 people

The ECOJOHN incinerator toilets WC5 (Rated Daily Use: 2 People Per Day), WC32, WC48, and WC64 are designed to incinerate wastewater from a waste tank (holding tank). Through the incineration process, the wastewater water gets burned by propane, natural gas, or diesel fuel, and the only thing that remains is a small amount of sterile ash. The size of the system and holding tank is based on usage.

Please note that this approval letter does not include air permitting authorization for any emissions produced during the treatment process. An appropriate air authorization must be obtained through the TCEQ Air Permits Division prior to construction / installation. The following link provides more information on the De Minimis air permit application, which you must request from the air permit department at TCEQ: <https://www.tceq.texas.gov/permitting/air/guidance/newsourcereview/nsrapp-tools.html>. We advise contacting the TCEQ Air Permits Division at [airperm@tceq.texas.gov](mailto:airperm@tceq.texas.gov) or 512-239-1250 before submitting any air permit application.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • [tceq.texas.gov](http://tceq.texas.gov)

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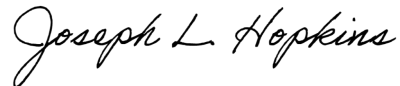
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Additionally, please note that this approval letter does not include solid waste disposal authorization for solid waste materials produced during the treatment process. Ash materials produced through the use of the incinerating toilets are not authorized for on-site disposal or use as fertilizer / compost materials. Disposal of ash materials must be disposed of in accordance with all federal, state, and local requirements.

If you have any questions, or if we may be of assistance to you, please contact Cindy Rojas Annicchiarico in the TCEQ Technical Programs Team at (512) 239-4156 or via e-mail at [Cindy.Annicchiarico@tceq.texas.gov](mailto:Cindy.Annicchiarico@tceq.texas.gov).

Sincerely,



Joseph L. Hopkins, P.G.  
Technical Programs Team Leader  
Texas Commission on Environmental Quality

JLH/CRA